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INSULATION للعوازل

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شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

ABOUT US

The Saudia Insulation Factory LLC was established in the Dammam City in The Kingdom of Saudi Arabia, The Company specializes in the production of materials waterproofing materials and construction chemicals such as bituminous membranes for rolls and sheets. bituminous waterproofing paints and construction chemicals materials The company works to provide products that contribute to the development of buildings and roads projects in the Kingdom of Saudi Arabia through use of advanced production and manufacturing technology that complies with ASTM, BS ,DIN and European and Canadian standards

MISSION

The Company aims to manufacture its products in accordance with international quality specifications and standards that suit consumers in the Kingdom of Saudi Arabia and its customers around the world

VISION

Achieving rapid growth by applying the best work methods and making the Saudi Insulation Factory one of the leading factories in the field of manufacturing waterproofing products

VALUE

Integrity and respect with clients , suppliers , colleagues and the collective building industry Commitment to excellence in all our endeavors Our activities and growth should take place against a backdrop of sustainable development as much as possible



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رواد صناعة العزل المائي
PIONEERS OF WATERPROOFING INDUSTRY

CONTENT

- 1-BITUMENS MEMBRANES
- 2-SELF-ADHESIVE MEMBRANES
- 3-PROTECTION BOARDS
- 4-LIQUID BITUMENS
- 5-CONSTRUCTION CHEMICALS
- 6-GEO-TEXTILE
- 7-APPROVALS & CERTIFICATES

CONTENT

BITUMENS MEMBRANES



BITUMENS MEMBRANES

Torch applied SBS modified bituminous membranere inforced with the 200 GSM of non woven polyester mat.

General Description:

SI DIAMOND -20 is a high performance multi-ply pre-fabricated torch applied SBS modified bituminous membrane, reinforced with 200gsm of non woven polyester and finished with the polyethylene film or mineral stone.

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the styrene butadiene styrene (SBS) polymers that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required for project applications for waterproof applications & protection against damps.

Application Areas :

SI DIAMOND -20 It is an ideal for all kind of waterproofing areas, especially in basement, swimming pool, water tank, seepage, bathrooms, terraces, Roof, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, .

Features :

- Torch applied quick melt easy to use.
- High performance waterproof in cold weather.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Higher self life.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 200gm/m2
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI DIAMOND -20 complies with the list standard. ASTM D6164 EN-13969:2004, EN-13707:2004

Packaging :

SI DIAMOND -20 is manufacturing under standard size And roll are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.
Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI DIAMOND -20 can be installed in a multi layers.
• Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
• Unroll **SI DIAMOND -20** membrane with align the side laps of minimum 10cm and then re-roll it.
• Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
• Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
• The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
• The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI DIAMOND -20

2mm . 3mm . 4mm . 5mm . 6mm

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SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	125	ASTM D 36
2	Penetration	dmm	35	ASTM D 5
3	Cold Flexibility	C	-20	ASTM D 5147
4	Heat Resistance (@ 120 C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	950	ASTM D 5147
	Transversal		700	
6	Elongation @ 23 + 2 C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		55	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 31
	Longitudinal		950	
	Transversal		700	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		600	
	Transversal		500	
9	Puncture Resistance	N	1000	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		>0.1	ASTM D 5147
	Transversal		>0.1	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25 C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	<0.35	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : SI DIAMOND -5 cold Flexibility as per your request (-5, -10,-15 &-20) available.
IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI DIAMOND -20

2mm . 3mm . 4mm . 5mm . 6mm

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SI INSULATION

Torch applied SBS modified bituminous membranere inforced with the 200 GSM of non woven polyester mat.

General Description:

SI DIAMOND -5 is a high performance multi-ply pre-fabricated torch applied SBS modified bituminous membrane, reinforced with 200gsm of non woven polyester and finished with the polyethylene film or mineral stone.

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the styrene butadiene styrene (SBS) polymers that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required for project applications for waterproof applications & protection against damps.

Application Areas :

SI DIAMOND -5 It is an ideal for all kind of waterproofing areas, especially in basement, swimming pool, water tank, seepage, bathrooms, terraces, Roof, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, .

Features :

- Torch applied quick melt easy to use.
- High performance waterproof in cold weather.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Higher self life.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 200gm/m2
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI DIAMOND -5 complies with the list standard. ASTM D6164 EN-13969:2004, EN-13707:2004

Packaging :

SI DIAMOND -5 is manufacturing under standard size And roll are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.
Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI DIAMOND -5 can be installed in a multi layers.
• Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
• Unroll **SI DIAMOND -5** membrane with align the side laps of minimum 10cm and then re-roll it.
• Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
• Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
• The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
• The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI DIAMOND -5

2mm . 3mm . 4mm . 5mm . 6mm

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SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	150	ASTM D 36
2	Penetration	dmm	20	ASTM D 5
3	Cold Flexibility	C	5-	ASTM D 5147
4	Heat Resistance (@ 120 C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	950	ASTM D 5147
	Transversal		700	
6	Elongation @ 23 + 2 C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		55	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 31
	Longitudinal		950	
	Transversal		700	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		600	
	Transversal		500	
9	Puncture Resistance	N	1000	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		>0.1	ASTM D 5147
	Transversal		>0.1	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25 C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	<0.35	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : SI DIAMOND -5 cold Flexibility as per your request (-5, -10,-15 &-20) available.
IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI DIAMOND -5

2mm . 3mm . 4mm . 5mm . 6mm

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SI INSULATION

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	150	ASTM D 36
2	Penetration	dmm	20	ASTM D 5
3	Cold Flexibility	C	5-	ASTM D 5147
4	Heat Resistance (@ 120 C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	950	ASTM D 5147
	Transversal		700	
6	Elongation @ 23 + 2 C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		55	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 31
	Longitudinal		950	
	Transversal		700	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		600	
	Transversal		500	
9	Puncture Resistance	N	1000	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		>0.1	ASTM D 5147
	Transversal		>0.1	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25 C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	<0.35	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : SI DIAMOND G.L ANTI-ROOT cold Flexibility as per your request (-5, -10,-15 &-20) available.
IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI DIAMOND GREEN LAND (ANTI-ROOT)

2mm . 3mm . 4mm . 5mm . 6mm

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SI INSULATION

Torch applied SBS modified bituminous membranere inforced with the 200 GSM of non woven polyester mat. anti- Root

General Description:

SI DIAMOND G.L ANTI-ROOT is designed to prevent root penetration in green roofs, planters, and other landscaping applications is a high performance multi-ply is manufacturing under standard size pre-fabricated torch applied SBS modified bituminous And roll are palletized and covered with a membrane, reinforced with 200 gsm of non woven shrink-wrapped polyester and finished with the polyethylene film mineral stone. Tools Required
SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified Gas torch Gas cylinder, measuring tape, Trowel, Knife with the styrene butadiene styrene (SBS) polymers that Marking string etc is provide high tensile, elongation and tear resistance Application Method excellent heat stability & low temperature flexibility i.e common required for project applications for waterproof Surface preparation: The surface must be thoroughly applications & protection against damp

Application Areas :

SI DIAMOND G.L ANTI-ROOT It is an ideal for all kind of waterproofing areas, especially in basement, swimming pool, water tank, seepage, bathrooms, terraces, Roof, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, .

Features :

- Torch applied quick melt easy to use.
- High performance waterproof in cold weather.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Higher self life.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 200gm/m2
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standard Method :

SI DIAMOND G.L ANTI-ROOT complies with the list standard. ASTM D6164 EN-13969:2004, EN-13707:2004

Packaging :

SI DIAMOND G.L ANTI-ROOT is manufacturing under standard size And roll are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.
Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI DIAMOND G.L ANTI-ROOT can be installed in a multi layers.
• Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
• Unroll **SI DIAMOND G.L ANTI-ROOT** membrane with align the side laps of minimum 10cm and then re-roll it.
• Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
• Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
• The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
• The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI DIAMOND GREEN LAND (ANTI-ROOT)

2mm . 3mm . 4mm . 5mm . 6mm

General Description :

SI VIA 200 is a high performance multi-ply Pre-fabricated torch applied APP modified bituminous membrane, reinforced with the 200 GSM of non woven polyester and finished with the polyethylene film or mineral stone .

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required project applications for waterproof applications & protection against damps.

Application Areas :

SI VIA 200 It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Specially design for heavy trafficking areas.
- Excellent water and heat resistance.
- High tensile, and tear strength.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester and Glass Fiber
Black surface : Both side with polyethylene film installed under protection course.

Quality Control :

SI VIA 200 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI VIA 200 : testing under standard methods. ASTM, EN etc.

Packing :

SI VIA 200 is manufacturing under standard size And roll are palletized and covered with a shrink-wrapped.

Tools required:

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation:

The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming:

The entire surfaces must be primed by solvent based bituminous primer (SI Primer).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method :

- **SI VIA 200** can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- Unroll **SI VIA 200** membrane with align the side laps of minimum 10cm and then re-roll it.
- Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
- Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
- The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Don't store exposed in the sun or humid areas.
- Don't store pallet above the pallet.

SI VIA 200

2mm . 3mm . 4mm . 5mm . 6mm

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SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D 36
2	Penetration	dmm	15 : 20	ASTM D 5
3	Cold Flexibility	°C	-5 : -10	ASTM D 5147
4	Heat Resistance (@ 120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 °C			
	Longitudinal	N/5 cm	950	ASTM D 5147
	Transversal		700	
6	Elongation @ 23 + 2 °C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		950	
	Transversal		700	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		650	
	Transversal		500	
9	Puncture Resistance	N	1000	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No Deterioration	ASTM D 4799
12	Water Absorption (@ 25 °C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	< 0.5	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI VIA 200

2mm . 3mm . 4mm . 5mm . 6mm

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SI INSULATION

Torch applied APP modified bituminous membrane reinforced with the 250gsm of non woven polyester mat.

General Description:

SI FLAME SHIELD 250 is a high performance multi-ply Pre-fabricated torch applied APP modified bituminous membrane, reinforced with the 250 GSM of non woven polyester and finished with the polyethylene film or mineral stone .

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the attactic polypropylene (APP) polymer that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required project applications for waterproof applications & protection against damps.

Application Areas :

SI FLAME SHIELD 250 It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tanks , bathrooms & kitchen etc.

Features :

- Torch applied easy to use.
- Excellent water and heat resistance.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 250gm/m2. mat
Black surface : Both side with polyethylene film installed under protection course.

Quality Control :

SI FLAME SHIELD 250 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015. In order to regular test conducted by SAUDIA INSULATION laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI FLAME SHIELD 250 complies with the list standard ASTM, D 6222 EN-13969:2004, EN-13707:2004

Packaging

SI FLAME SHIELD 250 is manufacturing under standard size and roll are palletized covered with a shrink-wrapped

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.
Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI FLAME SHIELD 250 can be installed in a multi layers.
• Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
• Unroll **SI FLAME SHIELD 250** membrane with align the side laps of minimum 10cm and then re-roll it.
• Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
• Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
• The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
• The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI FLAME SHIELD 250

2mm . 3mm . 4mm . 5mm . 6mm



SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D 36
2	Penetration	dmm	15 : 20	ASTM D 5
3	Cold Flexibility	°C	-5 : -10	ASTM D 5147
4	Heat Resistance (@ 120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 °C			
	Longitudinal	N/5 cm	1000	ASTM D 5147
	Transversal		750	
6	Elongation @ 23 + 2 °C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		1000	
	Transversal		750	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		650	
	Transversal		500	
9	Puncture Resistance	N	1100	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No Deterioration	ASTM D 4799
12	Water Absorption (@ 25 °C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	< 0.5	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI FLAME SHIELD 250

2mm . 3mm . 4mm . 5mm . 6mm

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Torch applied APP modified bituminous membrane reinforced with the 200gsm of non woven polyester mat.

General Description:

SI FLAME SHIELD 200 is a high performance multi-ply Pre-fabricated torch applied APP modified bituminous membrane, reinforced with the 200 GSM of non woven polyester and finished with the polyethylene film or mineral stone .

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required project applications for waterproof applications & protection against damps.

Application Areas :

SI FLAME SHIELD 200 It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tanks , bathrooms & kitchen etc.

Features :

- Torch applied easy to use.
- Excellent water and heat resistance.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 200gm/m2. mat
Black surface : Both side with polyethylene film installed under protection course.

Quality Control :

SI FLAME SHIELD 200 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015. In order to regular test conducted by SAUDIA INSULATION laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI FLAME SHIELD 200 complies with the list standarder ASTM, D 6222 EN-13969:2004, EN-13707:2004

Packaging

SI FLAME SHIELD 200 is manufacturing under standard size and roll are palletized covered with a shrink-wrapped

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.
Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI FLAME SHIELD 200 can be installed in a multi layers.
• Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
• Unroll **SI FLAME SHIELD 200** membrane with align the side laps of minimum 10cm and then re-roll it.
• Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
• Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
• The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
• The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI FLAME SHIELD 200

2mm . 3mm . 4mm . 5mm . 6mm



SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D 36
2	Penetration	dmm	15 : 20	ASTM D 5
3	Cold Flexibility	°C	-5 : -10	ASTM D 5147
4	Heat Resistance (@ 120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 °C			
	Longitudinal	N/5 cm	950	ASTM D 5147
	Transversal		700	
6	Elongation @ 23 + 2 °C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		950	
	Transversal		700	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		600	
	Transversal		500	
9	Puncture Resistance	N	1000	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No Deterioration	ASTM D 4799
12	Water Absorption (@ 25 °C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	< 0.5	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI FLAME SHIELD 200

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



Torch applied APP modified bituminous membrane reinforced with the 200gsm of non woven polyester mat.

General Description:

SI FLAME SHIELD P2 is a high performance multi-ply Pre-fabricated torch applied APP modified bituminous membrane, reinforced with the double carriers of non woven polyester and Glass Fiber and finished with the polyethylene film.

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the attactic polypropylene (APP) polymer that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required project applications to used for heavy trafficking areas..

Application Areas :

SI FLAME SHIELD P2 It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Specially design for heavy trafficking areas.
- Excellent water and heat resistance.
- High tensile, and tear strength.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester and Glass Fiber
Black surface : Both side with polyethylene film installed under protection course.

Quality Control :

SI FLAME SHIELD P2 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015. In order to regular test conducted by SAUDIA INSULATION laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI FLAME SHIELD P2 testing under standard methods. ASTM, EN etc.

Packaging :

SI FLAME SHIELD P2 is manufacturing under standard size and roll are palletized covered with a shrink-wrapped

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI FLAME SHIELD P2 can be installed in a multi layers.

- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- Unroll **SI FLAME SHIELD P2** membrane with align the side laps of minimum 10cm and then re-roll it.
- Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
- Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
- The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
- The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI FLAME SHIELD P2

2mm . 3mm . 4mm . 5mm . 6mm



SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D 36
2	Penetration	dmm	15 : 20	ASTM D 5
3	Cold Flexibility	°C	-5 : -10	ASTM D 5147
4	Heat Resistance (@ 120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 °C			
	Longitudinal	N/5 cm	1000	ASTM D 5147
	Transversal		750	
6	Elongation @ 23 + 2 °C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		1000	
	Transversal		750	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		650	
	Transversal		500	
9	Puncture Resistance	N	1200	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25 °C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	< 0.5	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI FLAME SHIELD P2

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



Torch applied APPmodified bituminous membrane reinforced with the non woven polyester mat.

General Description:

SI PLATINUM 180 : is a high performance multi-ply Pre-fabricated torch applied APP modified bituminous membrane, reinforced with the 180 GSM of non woven polyester and finished with the polyethylene film or mineral stone.

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high tensile, elongation and heat stability excellent low temperature flexibility i.e. common required for project application almost all kind of waterproofing applications & protection against damps.

Application areas:

SI PLATINUM 180 : It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features:-

- Torch applied easy to use.
- Excellent water and heat resistance.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General data:

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 180gm/m2.
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

SI PLATINUM 180 . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by SAUDI INSULATION Co. laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI PLATINUM 180 : testing under standard methods. (ASTM, EN etc.)

Packaging:

SI PLATINUM 180 : is manufacturing in standard size roll are palletized and covered with a shrink wrapped.

Tools required:

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application method:

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation:

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation method:

- SI PLATINUM 180** : can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
 - Unroll **SI PLATINUM 180** membrane with align the side laps of minimum 10cm and then reroll it.
 - Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
 - Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
 - The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
 - The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & handling:

- Keep material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid area.
- Do not store pallet above the pallet.

SI PLATINUM 180

2mm . 3mm . 4mm . 5mm . 6mm



SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120 °C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2 °C			
	Longitudinal	N/5 cm	850	ASTM D 5147
	Transversal		600	
6	Elongation @23 + 2 °C	%		ASTM D 5147
	Longitudinal		45	
	Transversal		50	
7	Lap joint Strength	N/5 cm		ASTM D 5147
	Longitudinal		850	
	Transversal		600	
8	Tear Strength	N		ASTM D5147
	Longitudinal		500	
	Transversal		450	
9	Puncture Resistance	N	900	ASTM E 154
	Static		L3	UEAtc 5.1,9
	Dynamic		I3	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25°C ,24 hrs)	%	< 1	ASTM D 5147
13	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
14	Resistance to leakage at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI PLATINUM 180

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

Torch applied APP modified bituminous membrane reinforced with the 200gsm of non woven polyester mat.

General Description:

SI JAZERA SHIELD 200 is a high performance multi-ply Pre-fabricated torch applied APP modified bituminous membrane, reinforced with the 200 GSM of non woven polyester and finished with the polyethylene film or mineral stone .

SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high tensile, elongation and tear resistance excellent heat stability & low temperature flexibility i.e. common required project applications for waterproof applications & protection against damps.

Application Areas :

SI JAZERA SHIELD 200 It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tanks , bathrooms & kitchen etc.

Features :

- Torch applied easy to use.
- Excellent water and heat resistance.
- High tensile, elongation and tear strength.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis

General Data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtrs.
Reinforcement : Non woven polyester 200gm/m2. mat
Black surface : Both side with polyethylene film installed under protection course.

Quality Control :

SI JAZERA SHIELD 200 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015. In order to regular test conducted by SAUDIA INSULATION laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI JAZERA SHIELD 200 complies with the list standard ASTM, D 6222 EN-13969:2004, EN-13707:2004

Packaging

SI JAZERA SHIELD 200 is manufacturing under standard size and roll are palletized covered with a shrink-wrapped

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation: The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.
Surface Priming: The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method:

SI JAZERA SHIELD 200 can be installed in a multi layers.
• Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
• Unroll **SI JAZERA SHIELD 200** membrane with align the side laps of minimum 10cm and then re-roll it.
• Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
• Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
• The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
• The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI JAZERA SHIELD 200

2mm . 3mm . 4mm . 5mm . 6mm

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	155	ASTM D 36
2	Penetration	dmm	15 : 20	ASTM D 5
3	Cold Flexibility	C	-2 : -5	ASTM D 5147
4	Heat Resistance (@ 120 C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	950	ASTM D 5147
	Transversal		700	
6	Elongation @ 23 + 2 C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		950	
	Transversal		700	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		600	
	Transversal		500	
9	Puncture Resistance	N	1000	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No Deterioration	ASTM D 4799
12	Water Absorption (@ 25 C for 24 hrs)	%	<1	ASTM D 5147
13	Water Vapour Transmission	g/m24/2hrs	< 0.5	ASTM E 96
14	Resistance to leaking at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI JAZERA SHIELD 200

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



Torch applied APP modified bituminous membrane reinforced with the non woven polyester mat

General Description :

SI JAZERA SHIELD160 : is a multi- ply prefabricated torch applied APP modified bituminous membrane, reinforced with non woven polyester and finished with the polyethylene film or mineral stone. SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high heat stability, elongation and low temperature flexibility i.e. common used for almost all kind of waterproofing applications & protection against damps.

Application areas :

SI JAZERA SHIELD160 : It is an ideal for all kinds of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, duct & ramp area, swimming pool, water tank, bathrooms & kitchen etc.

Features :

- Torch applied easy to use.
- Excellent water and heat resistance.
- Flexible at low temperature.
- Excellent adhesion strength.
- Resist against damping.
- Resist attack from salt and alkalis.

General data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtr.
Reinforcement : Non woven polyester.
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

SI JAZERA SHIELD160 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standards Methods :

SI JAZERA SHIELD160 : testing under method standard. ASTM, EN etc.

Packaging :

SI JAZERA SHIELD160 : is manufacturing in standard size roll are palletized and covered with a shrink wrapped.

Tools required :

Gas torch, Gas cylider, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation:

The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming:

The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method :

- SI JAZERA SHIELD160** : can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
 - Unroll membrane with align the side laps of minimum 10cm and then re-roll it.
 - Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
 - Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
 - The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
 - The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handdling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI JAZERA SHIELD 160

2mm . 3mm . 4mm . 5mm . 6mm



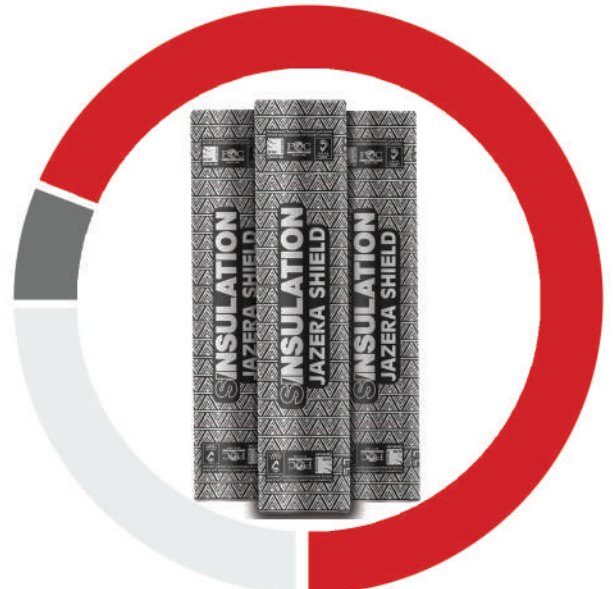
SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2°C			
	Longitudinal	N/5 cm	600	ASTM D 5147
	Transversal		450	
6	Elongation @23 + 2°C	%		ASTM D5147
	Longitudinal		45	
	Transversal		50	
7	Lap joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		600	
	Transversal		450	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		400	
	Transversal		300	
9	Puncture Resistance	N	700	ASTM E 154
	Static		L3	UEAtc 5.1,9
	Dynamic		I3	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTMD 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25°C for 24hrs)	%	< 1	ASTM D 5147
13	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
14	Resistance to leakage at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI JAZERA SHIELD 160

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

Torch applied APP modified bituminous membrane reinforced with the non woven polyester mat

General Description :

SI OMEGA 1600 : is a multi- ply prefabricated torch applied APP modified bituminous membrane, reinforced with non woven polyester and finished with the polyethylene film or mineral stone. SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high heat stability, elongation and low temperature flexibility i.e. common used for almost all kind of waterproofing applications & protection against damp.

Application areas :

SI OMEGA 1600 : It is an ideal for all kinds of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, duct & ramp area, swimming pool, water tank, bathrooms & kitchen etc.

Features :

- Torch applied easy to use.
- Excellent water and heat resistance.
- Flexible at low temperature.
- Excellent adhesion strength.
- Resist against damping.
- Resist attack from salt and alkalis.

General data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtr.
Reinforcement : Non woven polyester.
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

SI OMEGA 1600 Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standards Methods :

SI OMEGA 1600 : testing under method standard ASTM, EN etc.

Packaging :

SI OMEGA 1600 : is manufacturing in standard size roll are palletized and covered with a shrink wrapped.

Tools required :

Gas torch, Gas cylider, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation:

The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming:

The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method :

- **SI OMEGA 1600** : can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- Unroll **SI OMEGA 1600** membrane with align the side laps of minimum 10cm and then re-roll it.
- Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
- Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
- The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
- The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handdling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI OMEGA 1600

2mm . 3mm . 4mm . 5mm . 6mm

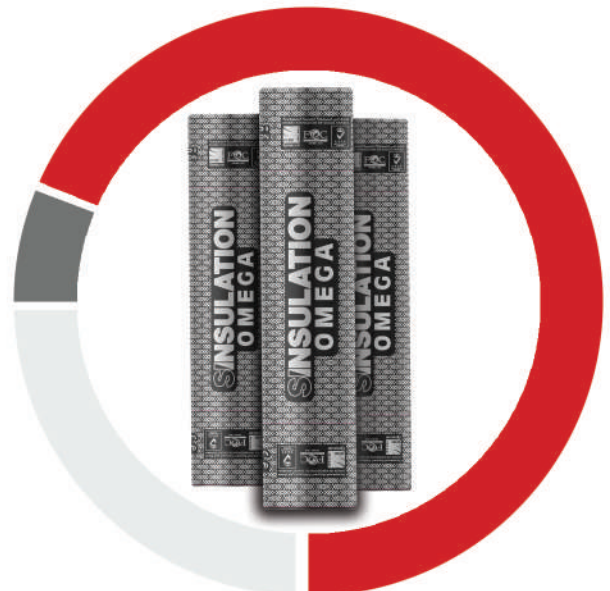
صناعة
سعودية
MADE IN KSA

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2°C			
	Longitudinal	N/5 cm	600	ASTM D 5147
	Transversal		450	
6	Elongation @23 + 2°C	%		ASTM D5147
	Longitudinal		45	
	Transversal		50	
7	Lap joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		600	
	Transversal		450	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		400	
	Transversal		300	
9	Puncture Resistance	N	700	ASTM E 154
	Static		L3	UEAtc 5.1,9
	Dynamic		I3	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTMD 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25°C for 24hrs)	%	< 1	ASTM D 5147
13	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
14	Resistance to leakage at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI OMEGA 1600
2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

Torch applied oxidized bitumen waterproofing membrane reinforced with the non woven polyester mat

General Description :

SI STAR GUARD 1600 : is a multi- ply prefabricated torch applied oxidized bitumen membrane, reinforced with the non woven polyester mat and finished with the polyethylene film or slated surfaces. SIFC waterproofing compound is especially formulated by Blended with blowing grade of bitumen's and extenders that is provide excellent product stability, quick melt is to use almost all kind of waterproofing applications & protection against damp.

Application Areas :

SI STAR GUARD 1600 : It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, duct & ramp area, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Quick melting and less afford.
- Excellent water resistance. .
- Excellent adhesion strength.
- Resist against dampening.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 3mm 4mm
Nominal size : 1x10mtr.
Reinforcement : Non woven polyester.
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed applications.

Quality Control :

SI STAR GUARD 1600 . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI STAR GUARD 1600 : testing under standard methods. ASTM, EN etc.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

Packaging :

SI STAR GUARD 1600 : is manufacturing in standard size 1x10. And roll are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation:

The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations. .

Surface Priming:

The entire surfaces must be primed by solvent based bituminous primer (SI primer).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method :

- **SI STAR GUARD 1600**: can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- Unroll **SI STAR GUARD 1600** membrane and align the side laps and re-roll the membrane.
- Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully.
- Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened to bond the membrane. For corners, pipes, beam and column section can be waterproof by cut and fit methods.

SI STAR GUARD 1600

2mm . 3mm . 4mm . 5mm . 6mm

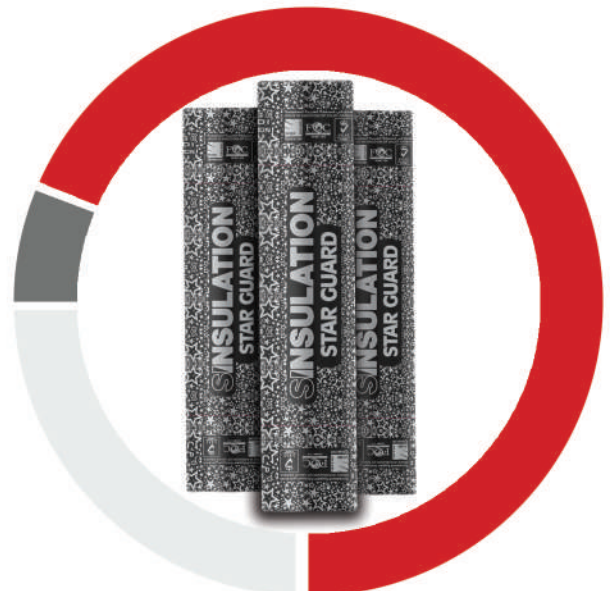


SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	150	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2°C			
	Longitudinal	N/5 cm	600	ASTM D 5147
	Transversal		450	
7	Elongation @23 + 2°C	%		ASTM D 5147
	Longitudinal		40	
	Transversal		45	
9	Lap joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		600	
	Transversal		450	
10	Tear Strength	N		ASTM D 5147
	Longitudinal		400	
	Transversal		300	
11	Puncture Resistance	N	700	ASTM E 154
	Static		L3	UEAtc 5.1,9
	Dynamic		I3	UEAtc 4.4.1
12	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
13	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
14	Water Absorption (@ 25°C for 24 hrs)	%	< 1	ASTM D 5147
15	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
16	Resistance to leakage at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI STAR GUARD 1600
2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

Torch applied oxidized bitumen waterproofing membrane reinforced with the Glass Fiber

General Description :

SI STAR GUARD FG : is a multi- ply prefabricated torch applied oxidized bitumen membrane, reinforced with the Glass Fiber and finished with the polyethylene film. SIFC waterproofing compound is especially formulated by Blended with blowing grade of bitumen's and extenders that is provide excellent product stability, quick melt and easy is to use for almost all kind of waterproofing applications & protection against damps.

Application Areas :

SI STAR GUARD FG : It is an ideal for all kind of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, duct & ramp area, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Quick melting and less effort.
- Excellent water and heat resistance.
- Excellent adhesion strength.
- Resist against damping.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 3mm, 4mm
Nominal size : 1x10mtr.
Reinforcement : Glass Fiber.
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed application.

Quality Control :

SI STAR GUARD FG . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI STAR GUARD FG : testing under standard methods. ASTM, EN etc.

Packaging :

SI STAR GUARD FG : is manufacturing in standard size 1x10mtrs. And roll are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation:
The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming :

The entire surfaces must be primed by solvent based bituminous primer (SI primer).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method :

- **SI STAR GUARD FG** : can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- Unroll **SI STAR GUARD FG** membrane and align the side laps and re-roll the membrane.
- Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully.
- Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened to bond the membrane. For corners, pipes, beam and column section can be waterproof by cut and fit methods.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI STAR GUARD FG

2mm . 3mm . 4mm . 5mm . 6mm

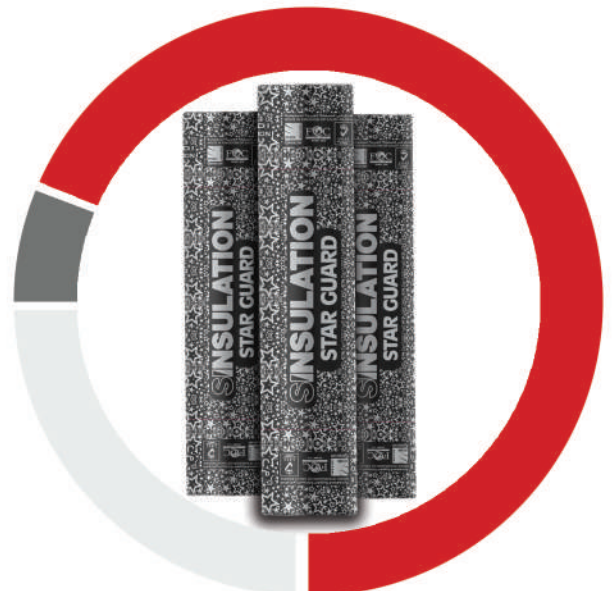


SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	100	ASTM D36
2	Penetration	dmm	15 - 20	ASTM D 5
3	Cold Flexibility	°C	+5 to 0	ASTM D 5147
4	Tensile strength @23 + 2 °C			
	Longitudinal	N/5 cm	450	ASTM D 5147
	Transversal		300	
5	Elongation @23 + 2 °C	%		ASTM D 5147
	Longitudinal		10	
	Transversal		12	
6	Lap joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		450	
	Transversal		300	
7	Tear Strength	N		ASTM D5147
	Longitudinal		350	
	Transversal		250	
8	Puncture Resistance	N	500	ASTM E 154
	Static		L2	UEAtc 5.1,9
	Dynamic		I2	UEAtc 4.4.1
9	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
10	Water Absorption (@ 25°C for 24hrs)	%	< 1	ASTM D 5147
11	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
12	Resistance to leakage at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI STAR GUARD FG
2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

BITUMINOUS MEMBRANCE REINFORCED WITH (POLYESTER 200 gr/m), MODIFIED WITH APP (ATACTIC POLYPROPYLENE)
Waterproofing of road projects is much easier with **SI FLAME SEAL** With is APP modified and reinforced with polyester mat .

General Description:

SI FLAME SEAL is a product is especially for construction projects that required high tensile strength it is resistant to temperature, differences ensures high endurance and provides utmost protection against damages . As a highly tear resistant product , it can be used in all kinds of waterproofing applications , ensuring high performance.

SI FLAME SEAL provides protection in extreme temperatures and the high quality polyester (200 gr / m) used as a reinforcement helps the product to stick well to the surface and function as protective layer .

Application Areas :

APP modified **SI FLAME SEAL** can be used in all areas and projects with high tensile requirements that require waterproofing such as bathrooms , roofs , terraces, foundations , basements , footing tanking , car parts , tank , lining , swimming pools ramp areas and others .

Application :

- Installed by touch welding method loose-laid or fully bonded to substrate.
- When loose-laid only overlaps are bonded together.
- Peripher-eres and protrusions sealed according to specifications .
- 10 cm (4 inches) overtopping shall be allowed for joints and 15 cm (6 inches) overtopping for ends by using welding torch.
- Mineral coated products may be used to protect the upper surface if no covering planned.
- Resist splits and tears due to its pliability elongation characteristics .

Storage & Preserving :

- Rolls should be installed in an upright position on to the delivery vehicle and stored and carried indoors in the same way.
- Should not be exposed to ultraviolet rays UV and to sudden changes of temperatures.
- Rolls should be covered for protection from UV rays if they are to be stored for a long period of time ,
- No cutting or perforation should be made after the application .
- It should not be exposed to UV rays after the application without mineral store cap sheet or protective coating.
- Rolls should not be put one on top of another if stored without palettes .
- Maximum two rows should be put one top of another if stored with palettes.

Advantages :

- Application to various types of substates.
- The quantity to be used can be determined before the application.
- It's reinforcement system has high tensile strength
- Reinforcement with high elongation capability.

SI FLAME SEAL

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



BITUMINOUS MEMBRANE REINFORCED WITH (POLYESTER 200 g/m²) MODIFIED WITH APP (ATACTIC POLYPROPYLENE)

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	155	ASTM D 36
2	Penetration	dmm	20	ASTM D 5
3	Cold Flexibility	C	-5 : -10	ASTM D 5147
4	Heat Resistance (@ 120 C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	1100	ASTM D 5147
	Transversal		850	
6	Tensile Strength N/5cm @ -18 + 20 C	N/5 cm	1200	ASTM D 5147
	Longitudinal		950	
	Transversal			
7	Elongation @ 23 + 2 C	%		ASTM D 5147
	Longitudinal		50	
	Transversal		50	
8	Elongation % @ 18- + 2 C	%		ASTM D 5147
	Longitudinal		24	
	Transversal		26	
9	Lap Joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		1100	
	Transversal		850	
10	Tear Strength	N		ASTM D 5147
	Longitudinal		600	
	Transversal		500	
11	Puncture Resistance	N	1155	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		L4	UEAtc 4.4.1
12	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTM D 5147
	Transversal		> 0.6	
13	Resistance to Aging (after 2000 hrs)		No Deterioration	ASTM D 4799
14	Water Absorption (@ 230 C for hrs)	%	<1	ASTM D 5147
15	Water Vapour Transmission	g/m24/2hrs	< 0.5	ASTM E 96
16	Resistance to leaking at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI FLAME SEAL

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



Torch applied semi-rigid bituminous protection board with double reinforcement of non woven polyester.

General Description :

SI PROTECT P : is a torch applied semi-rigid bituminous protection board, reinforced with the double carrier of non woven polyester with high puncher, and heat resistance to protect waterproof membrane against mechanically stress and impact though the sharp aggregate and other alien matters during back filling while in construction process.

Application Areas :

SI PROTECT P : It is an ideal for protection of waterproofing membrane and coating system, and such areas, are internal and external wall below ground, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Compatible with waterproofing membrane and liquid coating.
- High puncher and impact resistance.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 3, 3.2, 3.5, 4, 6 MM
Nominal size : 1x2 mtrs.
Reinforcement : Non woven polyester.
(Double reinforcement)
Black surface : Both side with polyethylene film

Quality Control :

SI PROTECT P . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by SAUDI INSULATION Co. laboratory, our product is tested by independent internal laboratories.

Compliance Standards :

SI PROTECT P testing under standard methods is. ASTM, EN etc.

Packaging :

SI PROTECT P : is manufacturing in standard size 1x2 mtr. And board are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Limitation :

- Avoid installation of board same date, when waterproofing has been done.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid backfilling same days when protection has been done.

Application Method:

Horizontal surface:

SI PROTECT P : Placed the protection board over applied waterproofing membrane in a series without maintaining any gaps including over and end laps with the fully bonded torched applied from the low points and press firmly to achieve complete adhesion with the membrane surfaces. for intersections and protrusions can be applied by cut and fit methods.

Vertical surface:

Placed the sheets over vertical waterproof surfaces with fully bonded torched applied from the low points and press firmly over the surface keep hold till it sets.

Backfilling :

Backfilling against vertical surfaces should be done within 48 hours after protection board installation has been done.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI PROTECT P

2mm . 3mm . 4mm . 5mm . 6mm



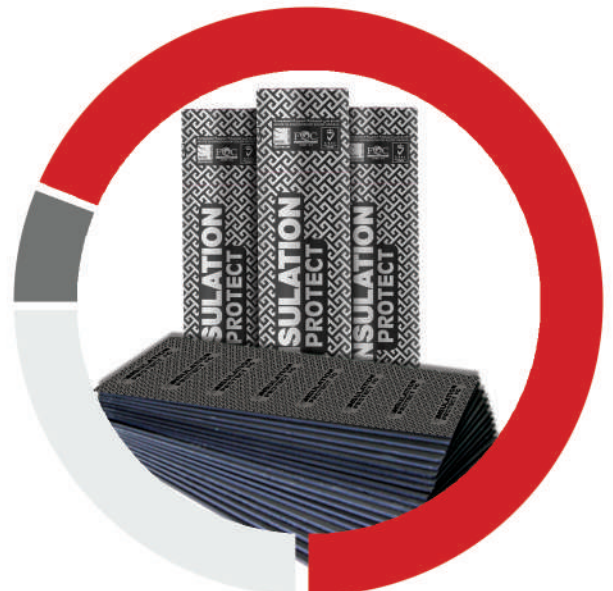
SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Thickness	mm	3.0, 4.0 & 6.0	ASTM D 5147
2	Length	mt.	2.0	
3	Width	mt.	1.0	
4	Softening point	°C	>150	ASTM D36
5	Penetration	dmm	10	ASTM D 5
6	Heat Resistance (@120 °C for 2h : 15 min)	Pass	No flow	ASTM D 5147
7	Puncture Resistance	N	>1300	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		I4	UEAtc 4.4.1
8	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
9	Water Absorption (@ 25 °C for 24hrs)	%	< 1	ASTM D 5147
10	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
11	Resistance to leakage at joints		pass	UEAtc
12	Water Permeability		impermeable	ASTM E 96
13	Chemical and salt resistance	-	Excellect	-

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI PROTECT P

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

Torch applied semi-rigid bituminous protection board with double reinforcement of Glass Fiber.

General Description :

SI PROTECT FG : is a torch applied semi-rigid bituminous protection board, reinforced with the double carrier of Glass Fiber. it provide high puncher, and heat resistance to protect waterproof membrane against mechanically stress and impact though the sharp aggregate and other alien matters during back filling while in construction process.

Application Areas :

SI PROTECT FG : It is an ideal for protection of waterproofing membrane and coating system, and such areas, are internal and external wall below ground, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Compatible with all types of waterproofing membrane and liquid coating.
- Water resistant, withstands wet soil conditions.
- High puncher and impact resistance.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness: 3, 3.2, 3.5, 4, 6 MM
Nominal size : 1x2 mtrs.
Reinforcement : Glass Fiber. (Double reinforcement).
Black surface : Both side with polyethylene film

Quality Control :

SI PROTECT FG . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Standard Methods :

SI PROTECT FG : testing under standard methods is ASTM, EN etc.

Packaging :

SI PROTECT FG is manufacturing in standard size 1x2 mtr. And board are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, Measuring tape, Trowel, Knife, Marking string etc.

Limitation :

- Avoid installation of board same date, when waterproofing has been done.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid backfilling same days when protection has been done.

Application Method:

Horizontal surface:

SI PROTECT FG : Placed the protection board over applied waterproofing membrane in a series without maintaining any gaps including over and end laps with the fully bonded torched applied from the low points and press firmly to achieve complete adhesion against the membrane surfaces. For intersections and protrusions can be applied by cut and fit methods.

Vertical surface:

Placed the sheets over vertical waterproof surfaces with fully bonded torched applied from the low points and press firmly over the surface keep hold till it sets.

Backfilling :

Backfilling against vertical surfaces should be done within 48 hours after protection board installation has been done.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI PROTECT FG

2mm . 3mm . 4mm . 5mm . 6mm



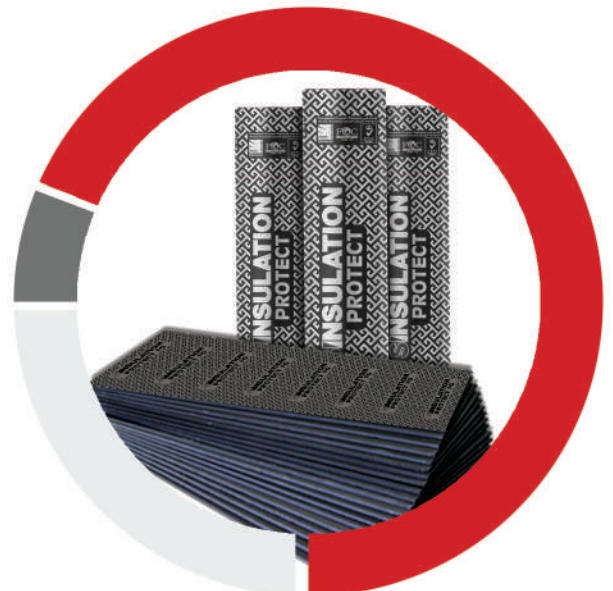
SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Thickness	mm	3.0, 4.0 & 6.0	ASTM D 5147
2	Length	mt.	2.0	
3	Width	mt.	1.0	
4	Softening point	°C	>150	ASTM D36
5	Penetration	dmm	10	ASTM D 5
6	Puncture Resistance	N	500	ASTM E 154
	Static		L2	UEAtc 5.1,9
	Dynamic		I2	UEAtc 4.4.1
7	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
8	Water Absorption (@ 25 °C for 24hrs)	%	< 1	ASTM D 5147
9	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
10	Resistance to leakage at joints		pass	UEAtc
11	Water Permeability		impermeable	ASTM E 96
12	Chemical and salt resistance	-	Excellect	-

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI PROTECT FG

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



Torch applied APP modified bituminous membrane reinforced with the non woven polyester mat

General Description :

SI BITUROOF : is a multi- ply prefabricated torch applied APP modified bituminous membrane, reinforced with non woven polyester and finished with the polyethylene film or mineral stone. SIFC waterproofing compound is formulated by Blended with selective grade of bitumen and modified with the atactic polypropylene (APP) polymer that is provide high heat stability, elongation and low temperature flexibility i.e. common used for almost all kind of waterproofing applications & protection against damps.

Application areas :

SI BITUROOF : It is an ideal for all kinds of waterproofing areas, such as Roof, basement, beams and columns, footing, pipe capping, duct & ramp area, swimming pool, water tank, bathrooms & kitchen etc.

Features :

- Torch applied easy to use.
- Excellent water and heat resistance.
- Flexible at low temperature.
- Excellent adhesion strength.
- Resist against damping.
- Resist attack from salt and alkalis.

General data :

Nominal thickness : 2mm, 3mm, 4mm, 5mm, 6mm.
Nominal size : 1x20, 1x10, 1x8, 1x6 mtr.
Reinforcement : Non woven polyester.
Black surface : Both side with polyethylene film installed under protection course.
Slated surface : Granule stone for exposed are of application.

Quality Control :

SI BITUROOF Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Follow Standards Methods :

SI BITUROOF : testing under method standard. ASTM, EN etc.

Packaging :

SI BITUROOF : is manufacturing in standard size roll are palletized and covered with a shrink wrapped.

Tools required :

Gas torch, Gas cylider, measuring tape, Trowel, Knife, Marking string etc.

Application Method :

Surface preparation:

The surface must be thoroughly clean, dry, sound and free from crack, loose particles, dust, oil and grease, laitance or other contaminations.

Surface Priming:

The entire surfaces must be primed by solvent based bituminous primer (primer D-41).

Application Limitation :

- Use smooth and flat safety shoe and other required safeties.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid step up/walking over hot applied membrane.
- Avoid installing second layer continuously.

Installation Method :

- **SI BITUROOF** : can be installed in a multi layers.
- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- Unroll **SI BITUROOF** membrane with align the side laps of minimum 10cm and then re-roll it.
- Stand on the unrolled position to prevent shifting with minimum over lap of 10cm and end lap will be 15cm can be installed with fully bonded.
- Make sure that the heat required only the PE films to be melted and asphalt coating is sufficiently softened press firmly against the lap to ensure complete adhesion.
- The entire corners, pipes, beam and column section can be waterproof by cut and fit methods.
- The mineral surfaces can be used for exposed areas either horizontal or vertical surfaces.

Storage & Handdling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI BITUROOF

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2°C			
	Longitudinal	N/5 cm	600	ASTM D 5147
	Transversal		450	
6	Elongation @23 + 2°C	%		ASTM D5147
	Longitudinal		45	
	Transversal		50	
7	Lap joint Strength	N/5 cm		UEAtc M.O.A.T 30
	Longitudinal		600	
	Transversal		450	
8	Tear Strength	N		ASTM D 5147
	Longitudinal		400	
	Transversal		300	
9	Puncture Resistance	N	700	ASTM E 154
	Static		L3	UEAtc 5.1,9
	Dynamic		I3	UEAtc 4.4.1
10	Dimensional Stability	%		
	Longitudinal		> 0.6	ASTMD 5147
	Transversal		> 0.6	
11	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
12	Water Absorption (@ 25°C for 24hrs)	%	< 1	ASTM D 5147
13	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
14	Resistance to leakage at joints		pass	UEAtc

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI BITUROOF

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

SELF-ADHESIVE MEMBRANES



SELF-ADHESIVE MEMBRANES

شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

SBS Modified self adhesive bituminous membrane reinforced with the non Cross Laminated (HDPE) film.

General Description:

SI SELF-TICK Cross Laminated HDPE

Self-Tick HDPE: is a high performance cold applied, multi-ply prefabricated SBS modified self adhesive bituminous membrane, reinforced with the non woven polyester and backing with the tough Cross laminated HDPE film. Which provides outstanding physical properties and product stability, quick release film in order to ensure clean adhesion.

Application Areas :

SI SELF-TICK Cross Laminated HDPE

Self-Tick HDPE: is an high performance self adhesive waterproof membrane design for all kind surfaces such as concrete, bituminous, metal, ply, and wood surfaces, and such areas are roofs, basement, swimming pool, water tank, seepage, bathrooms, terraces, metal Roof, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports.

Features :

- Cold applied self adhesive easy to use.
- Less installation cost and min. effort.
- Self adhesive against all kind of surfaces.
- High tensile, elongation and tear strength.
- Excellent adhesion and weather resistance.
- More self life.
- Protection against salt, alkalis and acid found in ground waters.

General Data :

Nominal thickness: 1.6mm, 2mm, 3mm, 4mm.
Nominal size: 1x20, 1x15, 1x10mtr.
Reinforcement : Non woven polyester.
Upper surface : Cross laminated (HDPE) film.
Lower surface : Siliconized release film.

Quality Control :

SI SELF-TICK Cross Laminated HDPE

Self-Tick INDUSTRIES LLC. Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by SIFC laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI SELF-TICK Cross Laminated HDPE

Self-Tick HDPE: testing under standard methods. ASTM, EN etc

Packaging :

SI SELF-TICK Cross Laminated HDPE

Self-Tick HDPE: is manufacturing in standard size And roll are palletized and covered with a shrinkwrapped.

Tools Required :

Measuring tape, Knife, Marking string plastic roller etc.

Surface preparation :

The surface must be thoroughly clean, totally dry, sound and free from crack, dust, laitance, oil and grease, debris, loose particles or other contamination.

Surface Priming :

The entire surfaces must be primed, allow one coat of PRIMER-solvent based bituminous primer (primer D-41) at the rate of 0.20.3-Ltr/m² It should be complete dry before installation of waterproofing membrane.

Installation Method:

SI SELF-TICK Cross Laminated HDPE

Self-Tick HDPE: can be installed in a single layer of waterproof system.

- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free from humidity.
- In cold weather conditions below 20° C, it is essential to heat the primed surfaces trough hot air gun or gas torch before applying the membrane.
- Stand the sifting position align the roll with minimum 10cm of overlap and 15cm of end laps.
- Peeling of the siliconized release film from waterproof membrane allow adhesive against primed substrate, and press firmly by using rubber hand roller, from the midpoint to the edges in order to expel any trapped air bubbles and to insure good contacts to the prime substrate and overlap or end lap are perfectly sealed while hand rolling.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI SELF-TICK
Cross Laminated HDPE

1	Softening point	C	90 - 100	ASTM D 36
2	Penetration	dmm	70	ASTM D 5
3	Cold Flexibility	C	> -25	ASTM D 5147
4	Reinforcement		polyester	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	500	ASTM D 412
	Transversal		300	
6	Elongation @ 23 + 2 C	%		ASTM D 412
	Longitudinal		300	
	Transversal		350	
7	Lap Joint Strength	N/5 cm		UEAtc
	Longitudinal		500	
	Transversal		300	
8	Tear Strength	N		ASTM D 624
	Longitudinal		350	
	Transversal		200	
9	Puncture Resistance	N	500	ASTM E 154
10	Resistance to accelerated Aging (after 2000 hrs) 2000 hrs (equals 10 years exposure to elements)		Pass	ASTM G 53
11	Water Absorption (@ 25 C for 24 hrs)	%	< 0.5	ASTM D 5147
12	Water Vapour Transmission	g/m24/2hrs	< 0.2	ASTM E 96
13	Adhesion Strength			
	To primed concrete	N/mm	3.2	ASTM D 1000
	To self	N/mm	3.2	ASTM D 1000
14	Impermeability of welded seams to water pressure		No Deterioration	UEAtc
15	Resistance to chemicals	-	Good / Conform	ASTM D 543

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI SELF-TICK

Cross Laminated HDPE

صناعة
سعودية
MADE IN KSA



SI INSULATION

SBS Modified self adhesive bituminous membrane reinforced with the non woven mat and topping with Aluminium film (AL).

General Description:

SI SELF-TICK Aluminum

is a cold applied, highly flexible SBS modified self adhesive bituminous membrane, reinforced with the non woven polyester. Backing with the Aluminium film. Which is providing outstanding physical properties and product stability or excellent in heat and UV resistance, heat resist almost 150-10 °C degree from the surface temperature and quick release film in order to ensure clean adhesion.

Application Areas :

SI SELF-TICK Aluminum

Self-Tick Aluminum: it is specially design for exposed area of waterproofing such areas are concrete or metal roofs, balconies, water tanks, basement, swimming pool, seepage, bathrooms, terraces, beams and columns, footing, pipe capping, car parking, bridge decks etc.

Features :

- Cold applied self adhesive easy to use.
- Temperature resists almost 10150°-C from the surfaces temperature.
- Self adhesive against all kind of surfaces.
- High tensile, elongation and tear strength.
- Excellent adhesion and weather resistance and can be exposed permanently.
- More self life.
- Protection against salt, alkalis and acid found in ground waters.

General Data :

Nominal thickness: 1.6mm, 2mm, 3mm, 4mm.
Nominal size: 1x20, 1x15, 1x10mtr.
Reinforcement : Non woven polyester.
Upper surface : Aluminium foils (AL).
Lower surface : Siliconized release film.

Quality Control :

SI SELF-TICK Aluminum

Self-Tick INDUSTRIES LLC. Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015. In order to regular test conducted by SIFC laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI SELF-TICK Aluminum

Self-Tick HDPE: testing under standard methods. ASTM, EN etc

Packaging :

SI SELF-TICK Aluminum

Self-Tick Aluminum: is manufacturing in standard size And roll are palletized and covered with a shrink-wrapped.

Tools Required :

Measuring tape, Knife, Marking string plastic roller etc.

Application Method:

Surface preparation:

The surface must be thoroughly clean, totally dry, sound and free from crack, dust, laitance, oil and grease, debris, loose particles or other from contaminations.

Surface Priming:

The entire surfaces must be primed, allow one coat of PRIMER-solvent based bituminous primer (primer D-41) at the rate of 0.20.3-Ltr/m2 It should be complete dry before installation of waterproofing membrane.

Installation Method:

SI SELF-TICK Aluminum

Self-Tick Aluminum: can be installed in a single layer of waterproofsystem.

- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity. In cold weather conditions below 200°C, it is essential to heat the primed surfaces trough hot air gun or gas torch before applying the membrane.
- Stand the sifting position align the roll with minimum 10cm of overlap and 15cm of end laps. Peeling of the siliconized release film from waterproof membrane allow adhesive against primed substrate, and press firmly by using rubber hand roller, from the midpoint to the edges in order to expel any trapped air bubbles and to insure good contacts to the prime substrate and overlap or end lap are perfectly sealed while hand rolling.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI SELF-TICK
Aluminum

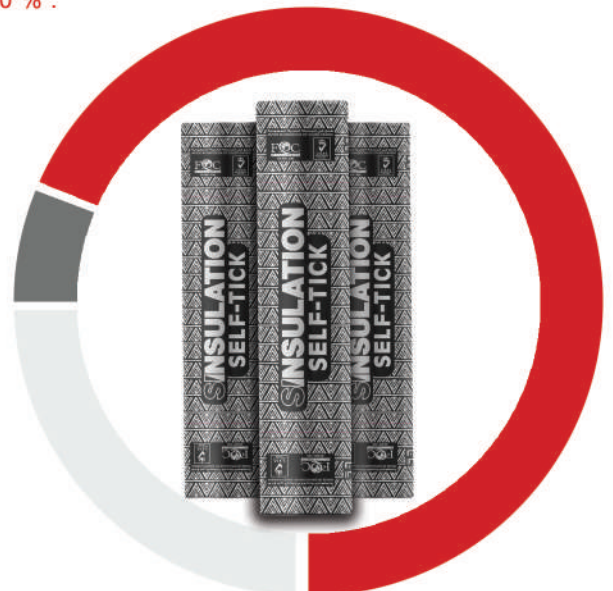
صناعة
سعودية
MADE IN KSA

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	90 - 100	ASTM D 36
2	Penetration	dmm	70	ASTM D 5
3	Cold Flexibility	C	> -25	ASTM D 5147
4	Reinforcement		polyester	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	500	ASTM D 412
	Transversal		300	
6	Elongation @ 23 + 2 C	%		ASTM D 412
	Longitudinal		45	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc
	Longitudinal		500	
	Transversal		300	
8	Tear Strength	N		ASTM D 624
	Longitudinal		300	
	Transversal		200	
9	Puncture Resistance	N	500	ASTM E 154
10	Resistance to accelerated Aging (after 2000 hrs) 2000 hrs (equals 10 years exposure to elements)		Pass	ASTM G 53
11	Water Absorption (@ 25 C for 24 hrs)	%	< 0.5	ASTM D 5147
12	Water Vapour Transmission	g/m24/2hrs	< 0.2	ASTM E 96
13	Adhesion Strength			
	To primed concrete	N/mm	3.1	ASTM D 1000
	To self	N/mm	3.1	ASTM D 1000
14	Impermeability of welded seams to water pressure		No Deterioration	UEAtc
15	Resistance to chemicals	-	Good / Conform	ASTM D 543

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI SELF-TICK
Aluminum

صناعة
سعودية
MADE IN KSA



SI INSULATION

SBS Modified self adhesive bituminous membrane reinforced topping with the non woven mat and topping with (PET/PE) film.

General Description:

SI SELF-TICK PET/PE

Self-Tick (PET/PE): is a cold applied, high performance multi-ply prefabricated SBS modified self adhesive bituminous membrane, reinforced with the non woven polyester. Backing with the PET/PE. Which is providing outstanding physical properties and product stability quick release film in order to ensure clean adhesion.

Application Areas :

SI SELF-TICK PET/PE

Self-Tick (PET/PE): is a cold applied, high performance multi-ply prefabricated SBS modified self adhesive bituminous membrane, reinforced with the non woven polyester. Backing with the PET/PE. Which is providing outstanding physical properties and product stability quick release film in order to ensure clean adhesion.

Features :

- Cold applied self adhesive easy to use.
- Less installation cost and min. effort.
- Self adhesive against all kind of surfaces.
- High tensile, elongation and tear strength.
- Excellent adhesion and weather resistance.
- More self life.
- Protection against salt, alkalis and acid found in ground waters.

General Data :

Nominal thickness: 1.6mm, 2mm, 3mm, 4mm.
Nominal size: 1x20, 1x15, 1x10mtr.
Reinforcement : Non woven polyester.
Upper surface : Polyethylene film (PE/PET).
Lower surface : Siliconized release film.

Quality Control :

SI SELF-TICK PET/PE

Self-Tick INDUSTRIES LLC. Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS-ISO 14001:2015. In order to regular test conducted by S I F C laboratory, our product is tested by independent internal laboratories.

Follow Standard Methods :

SI SELF-TICK PET/PE

Self-Tick HDPE: testing under standard methods. ASTM, EN etc

Packaging :

SI SELF-TICK PET/PE

Self-Tick PET/PE: is manufacturing in standard size And roll are palletized and covered with a shrinkwrapped.

Tools Required :

Measuring tape, Knife, Marking string plastic roller etc.

Surface preparation :

The surface must be thoroughly clean, totally dry, sound and free from crack, dust, laitance, oil and grease, debris, loose particles or other contamination.

Surface Priming :

The entire surfaces must be primed, allow one coat of PRIMER-solvent based bituminous primer (primer D-41) at the rate of 0.2 -3Ltr/m² . It should be complete dry before installation of waterproofing membrane.

Installation Method:

SI SELF-TICK PET/PE

Self-Tick HDPE: can be installed in a single layer of waterproof system.

- Insure that the surface to be waterproof must be thoroughly clean, dry, sound and free form humidity.
- In cold weather conditions below 20° C, it is essential to heat the primed surfaces trough hot air gun or gas torch before applying the membrane.
- Stand the sifting position align the roll with minimum 10cm of overlap and 15cm of end laps.
- Peeling of the siliconized release film from waterproof membrane allow adhesive against primed substrate, and press firmly by using rubber hand roller, from the midpoint to the edges in order to expel any trapped air bubbles and to insure good contacts to the prime substrate and overlap or end lap are perfectly sealed while hand rolling.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.



SI SELF-TICK
PET / PE

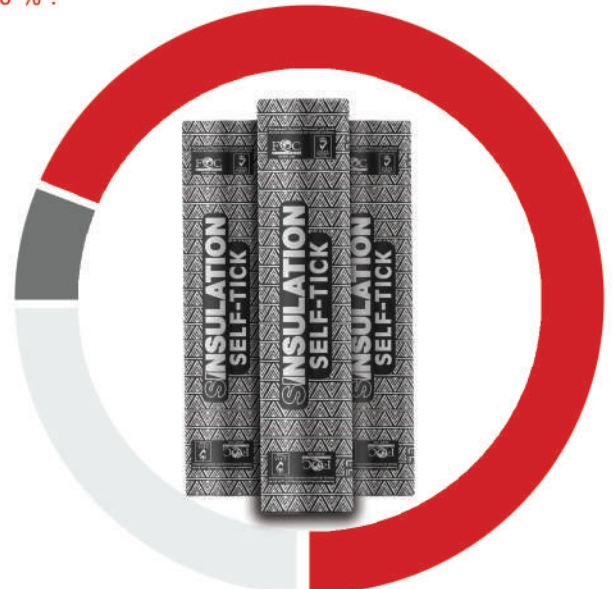
صناعة
سعودية
MADE IN KSA

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	C	90 - 100	ASTM D 36
2	Penetration	dmm	70	ASTM D 5
3	Cold Flexibility	C	> -25	ASTM D 5147
4	Reinforcement		polyester	ASTM D 5147
5	Tensile Strength @ 23 + 2 C			
	Longitudinal	N/5 cm	500	ASTM D 412
	Transversal		300	
6	Elongation @ 23 + 2 C	%		ASTM D 412
	Longitudinal		45	
	Transversal		50	
7	Lap Joint Strength	N/5 cm		UEAtc
	Longitudinal		500	
	Transversal		300	
8	Tear Strength	N		ASTM D 624
	Longitudinal		300	
	Transversal		200	
9	Puncture Resistance	N	500	ASTM E 154
10	Resistance to accelerated Aging (after 2000 hrs) 2000 hrs (equals 10 years exposure to elements)		Pass	ASTM G 53
11	Water Absorption (@ 25 C for 24 hrs)	%	< 0.5	ASTM D 5147
12	Water Vapour Transmission	g/m24/2hrs	< 0.2	ASTM E 96
13	Adhesion Strength			
	To primed concrete	N/mm	3.0	ASTM D 1000
	To self	N/mm	3.0	ASTM D 1000
14	Impermeability of welded seams to water pressure		No Deterioration	UEAtc
15	Resistance to chemicals	-	Good / Conform	ASTM D 543

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI SELF-TICK
PET / PE

صناعة
سعودية
MADE IN KSA



SI INSULATION

PROTECTION BOARDS



PROTECTION BOARDS

شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

Torch applied semi-rigid bituminous protection board with double reinforcement of Glass Fiber.

General Description :

SI PROTECT FG : is a torch applied semi-rigid bituminous protection board, reinforced with the double carrier of Glass Fiber. it provide high puncher, and heat resistance to protect waterproof membrane against mechanically stress and impact though the sharp aggregate and other alien matters during back filling while in construction process.

Application Areas :

SI PROTECT FG : It is an ideal for protection of waterproofing membrane and coating system, and such areas, are internal and external wall below ground, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Compatible with all types of waterproofing membrane and liquid coating.
- Water resistant, withstands wet soil conditions.
- High puncher and impact resistance.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness: 3, 3.2, 3.5, 4, 6 MM
Nominal size : 1x2 mtrs.
Reinforcement : Glass Fiber. (Double reinforcement).
Black surface : Both side with polyethylene film

Quality Control :

SI PROTECT FG . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by our laboratory, our product is tested by independent internal laboratories.

Standard Methods :

SI PROTECT FG : testing under standard methods is ASTM, EN etc.

Packaging :

SI PROTECT FG is manufacturing in standard size 1x2 mtr. And board are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, Measuring tape, Trowel, Knife, Marking string etc.

Limitation :

- Avoid installation of board same date, when waterproofing has been done.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid backfilling same days when protection has been done.

Application Method:

Horizontal surface:

SI PROTECT FG : Placed the protection board over applied waterproofing membrane in a series without maintaining any gaps including over and end laps with the fully bonded torched applied from the low points and press firmly to achieve complete adhesion against the membrane surfaces. For intersections and protrusions can be applied by cut and fit methods.

Vertical surface:

Placed the sheets over vertical waterproof surfaces with fully bonded torched applied from the low points and press firmly over the surface keep hold till it sets.

Backfilling :

Backfilling against vertical surfaces should be done within 48 hours after protection board installation has been done.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI PROTECT FG

2mm . 3mm . 4mm . 5mm . 6mm



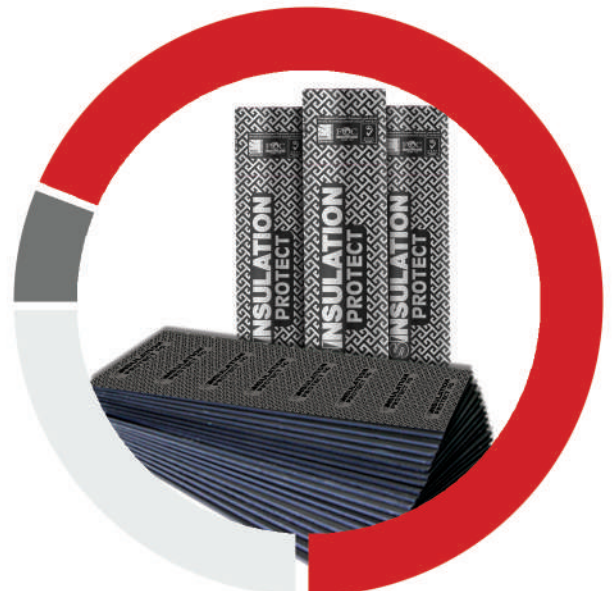
SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Thickness	mm	3.0, 4.0 & 6.0	ASTM D 5147
2	Length	mt.	2.0	
3	Width	mt.	1.0	
4	Softening point	°C	>150	ASTM D36
5	Penetration	dmm	10	ASTM D 5
6	Puncture Resistance	N	500	ASTM E 154
	Static		L2	UEAtc 5.1,9
	Dynamic		I2	UEAtc 4.4.1
7	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
8	Water Absorption (@ 25 °C for 24hrs)	%	< 1	ASTM D 5147
9	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
10	Resistance to leakage at joints		pass	UEAtc
11	Water Permeability		impermeable	ASTM E 96
12	Chemical and salt resistance	-	Excellect	-

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI PROTECT FG

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



Torch applied semi-rigid bituminous protection board with double reinforcement of non woven polyester.

General Description :

SI PROTECT P : is a torch applied semi-rigid bituminous protection board, reinforced with the double carrier of non woven polyester with high puncher, and heat resistance to protect waterproof membrane against mechanically stress and impact though the sharp aggregate and other alien matters during back filling while in construction process.

Application Areas :

SI PROTECT P : It is an ideal for protection of waterproofing membrane and coating system, and such areas, are internal and external wall below ground, basement, beams and columns, footing, pipe capping, car parking, bridge decks, duct & ramp area, highway or airports, swimming pool, water tank, bathrooms etc.

Features :

- Torch applied easy to use.
- Compatible with waterproofing membrane and liquid coating.
- High puncher and impact resistance.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

General Data :

Nominal thickness : 3, 3.2, 3.5, 4, 6 MM
Nominal size : 1x2 mtrs.
Reinforcement : Non woven polyester.
(Double reinforcement)
Black surface : Both side with polyethylene film

Quality Control :

SI PROTECT P . Manufacturing facility is certified with the QMS-ISO 9001:2015, HMS-ISO 45001:2018 and EMS- ISO 14001:2015. In order to regular test conducted by SAUDI INSULATION Co. laboratory, our product is tested by independent internal laboratories.

Compliance Standards :

SI PROTECT P testing under standard methods is. ASTM, EN etc.

Packaging :

SI PROTECT P : is manufacturing in standard size 1x2 mtr. And board are palletized and covered with a shrink-wrapped.

Tools Required :

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

Limitation :

- Avoid installation of board same date, when waterproofing has been done.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid backfilling same days when protection has been done.

Application Method:

Horizontal surface:

SI PROTECT P : Placed the protection board over applied waterproofing membrane in a series without maintaining any gaps including over and end laps with the fully bonded torched applied from the low points and press firmly to achieve complete adhesion with the membrane surfaces. for intersections and protrusions can be applied by cut and fit methods.

Vertical surface:

Placed the sheets over vertical waterproof surfaces with fully bonded torched applied from the low points and press firmly over the surface keep hold till it sets.

Backfilling :

Backfilling against vertical surfaces should be done within 48 hours after protection board installation has been done.

Storage & Handling :

- Keep the material in dry, cool, ventilated and shaded areas.
- Do not store exposed in the sun or humid areas.
- Do not store pallet above the pallets.

SI PROTECT P

2mm . 3mm . 4mm . 5mm . 6mm



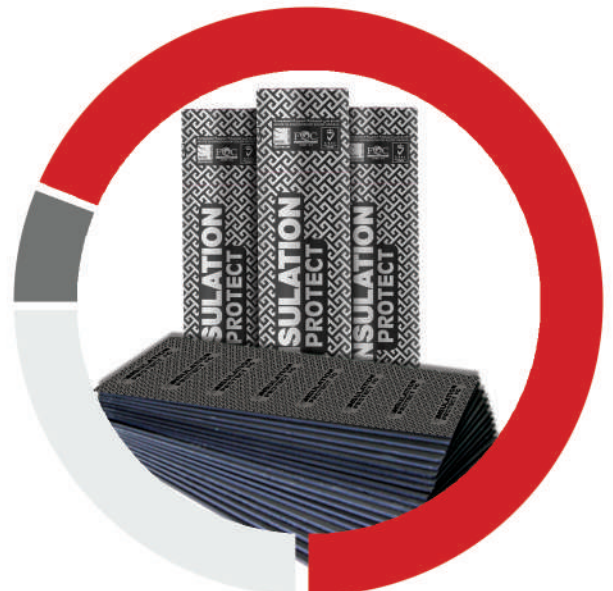
SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Thickness	mm	3.0, 4.0 & 6.0	ASTM D 5147
2	Length	mt.	2.0	
3	Width	mt.	1.0	
4	Softening point	°C	>150	ASTM D36
5	Penetration	dmm	10	ASTM D 5
6	Heat Resistance (@120 °C for 2h : 15 min)	Pass	No flow	ASTM D 5147
7	Puncture Resistance	N	>1300	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		I4	UEAtc 4.4.1
8	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
9	Water Absorption (@ 25 °C for 24hrs)	%	< 1	ASTM D 5147
10	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
11	Resistance to leakage at joints		pass	UEAtc
12	Water Permeability		impermeable	ASTM E 96
13	Chemical and salt resistance	-	Excellect	-

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI PROTECT P

2mm . 3mm . 4mm . 5mm . 6mm

صناعة
سعودية
MADE IN KSA



SI INSULATION

LIQUID BITUMENS



LIQUID BITUMENS

شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

General Description:

SIPRIMER is a premium quality , cold applied fast curing primer, complies with the requirements and specifications of ASTM D-41 standard, Which is blended with selective grade of oxidized bitumen and fast curing solvents, wetting and saturation additives

Uses:

SIPRIMER is a universal primer that can be use concrete roofing, brick, metal wall surface and waterproofing below or above ground level. It helps to the waterproofing materials adhere batter to the application of modified bitumen membranes

Application:

The surface to be waterproofed should be clean, dry and free from oil, grease and any other foreign matters. **SIPRIMER** should be thoroughly stirred before use and applied to the substrate by soft brush, roller or spray at the rate of(200-300)g/m2 Before application of subsequent layers should allowed to dry

Cleaning:

TOOLS Clean with petroleum solvents.

HANDS Use a hand cleaner or solvent followed by soap and water.

Storage:

SIPRIMER should be stored under ventilated covered store at temperature between 5°C and 30°C. The shelf life of 12 months can be expected for unopened containers stored properly.

Packaging:

Available in 200kg, 100kg and 18Ltr.

Coverage:

at the rate of (0.2-0.3) Ltr/m2 by roller, soft brush or spray to dump or dry surfaces.

Standard:

Exceed the performance requirements of ASTM D-41.

Health & Safty:

Contains petroleum grades of solvent ; flammable ; keep away from open fire, spark or other ignition sources. were protective cloths, safety shoe, gloves, and goggles.

FIRE Flammable when wet flash point 40c.

SKIN Avoid repeated or prolonged skin contact; if contact occurs remove with hand cleaner that removes oil and grease; when clean with soap and water.

EYES No special precautions required. But if eyes contact cause irritation. flush with clean water.

SIPRIMER



COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM PREMIUM PRIMER

SR	PROPERTIES	TEST METHOD	MIN	MAX
1	Saybolt Furol viscosity at 25 °C	ASTM D88	200	300
2	Flash point (tag open cup) °C	ASTM D3143	40	-
3	Density Kg/Ltr at 25°C	ASTM D3142	0.90	0.98
4	Bitumen softening point °C	ASTM D36	80	90
5	Distillation:			
	Distillate, vol.% of total distillate to 360 °C:	ASTM D402		
	Up to 225 °C		35	-
	Up to 316 °C		-	50
6	Tests on residue from distillation:	ASTM D5	20	50
	Penetration at 25°C, 0.1 mm			
7	solubility in trichloroethylene %	ASTM D2042	99	-
8	water, volume %	ASTM D-95	-	0.2
9	drying time at 25 °C in hours		1	2

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SIPRIMER

صناعة
سعودية
MADE IN KSA



SINSULATION

COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM PREMIUM BITUDAMP

SR	PROPERTIES	TEST METHOD	MIN	MAX
1	Saybolt Furol viscosity at 60 °C	ASTM D88	200	300
2	Flash point (tag open cup) °C	ASTM D3143	40	-
3	Density Kg/Ltr at 25 °C	ASTM D3142	0.90	0.98
4	Bitumen softening point °C	ASTM D36	80	90
5	Distillation:	ASTM D402		
	Distillate, vol.% of total distillate to 360 °C:			
	Up to 225 °C		35	-
	Up to 316 °C		-	50
6	Tests on residue from distillation:	ASTM D5	20	50
	Penetration at 25 °C, 0.1 mm			
7	solubility in trichloroethylene %	ASTM D2042	99	-
8	water, volume %	ASTM D-95	-	0.2
9	drying time at 25 °C in hours		1	2

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI BITU DAMP

صناعة
سعودية
MADE IN KSA



SINSULATION

General Description:

SI BITU DAMP is a nontoxic 'solvent based' cold applied waterproofing coating general purpose for damp proofing. Which is specifically formulated by blended with the selective grade of oxidized bitumen and fast curing solvents, and life enhancing additives. When apply form elastic bituminous film with act like as waterproofing system that resists of attack from weather, salts and alkalis.

Uses:

SI BITU DAMP is used as a waterproofing most suitable for underground concrete foundations, basements, water tank, old bituminous surface etc. on a wide variety of surfaces like concrete, membranes, asbestos cement, brick, slates, tiles, metal surfaces etc.

Application:

The surface to be waterproofed should be clean, dry, and free from dirt dust and rust and should be repaired any damaged or cracked substrates. Porous surfaces should be primed with **SI BITU DAMP**. **SI BITU DAMP** can be used as water retention concrete curing for subground structures

Cleaning:

TOOLS Clean with petroleum solvents.
HANDS Use a hand cleaner or solvent followed by soap and water.

Exceed the performance requirements of ASTM D 1227 type II and ASTM C 309

Storage:

SI BITU DAMP should be stored under ventilated covered store at temperature between 5°C and 30°C. The shelf life of 12 months can be expected for unopened containers stored properly.

Packaging:

Available in 200kg, 100kg and 20Ltr.

Coverage:

at the rate of 0.4-0.6 Ltr/m² by roller, soft brush or broom to damp or dry surfaces.

Health & Safty:

FIRE Flammable when wet flash point 40° c.

SKIN Avoid repeated or prolonged skin contact; if contact occurs remove with hand cleaner that removes oil and grease; when clean with soap and water.

EYES No special precautions required. But if eyes contact cause irritation. flush with clean water.

Contains petroleum grades of solvent; flammable; keep away from open fire, spark or other ignition sources. were protective cloths, safety shoe, gloves, and goggles.

SI BITU DAMP



MC-PROOF is a Cold applied product, easy to apply, it doesn't need thinning or heating., complies with the requirements and specifications of ASTM D-2027 standard, Which is blended with Penetration grade of bitumen and medium curing solvents, wetting and saturation additives

Uses :

SI MC-PROOF is a Cold applied product, easy to apply, it doesn't need thinning or heating., complies with the requirements and specifications of ASTM D2027- standard, Which is blended with Penetration grade of bitumen and medium curing solvents, wetting and saturation additives

Application :

suitable for use in the construction & maintenance of pavement as designated in MOC Specification. It is ideal for prime coat. MC_Proof is applied to asphalt or granular surfaces using truck mounted spray equipment.

Cleaning :

TOOLS Clean with petroleum solvents.
HANDS Use a hand cleaner or solvent followed by soap and water

Health & Safty :

Contains petroleum grades of solvent; flammable; keep away from open fire, spark or other ignition sources. were protective clothes, safety shoe, gloves, and goggles.

Storage and Shelf Life :

SI MC-PROOF should be stored under ventilated covered store at temperature between 5°C and 30°C. The shelf life of 24 months can be expected for should be stored under ventilated covered unopened containers stored properly.

Packaging :

Available in 200kg, 100kg

Coverage :

For tack coats, the maximum rate is (0.5 - 0.8) liters/m², depends on the porosity of the prepared soil surface.

Standard :

Exceed the performance requirements of ASTM D-2027

Health and Safety :

FIRE Flammable when wet flash point 40c.
SKIN Avoid repeated or prolonged skin contact; if contact occurs remove with hand cleaner that removes oil and grease; when clean with soap and water.
EYES No special precautions required. But if eyes contact cause irritation. flush with clean water.

SI MC-PROOF



COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM MC-Proof

SR	PROPERTIES	TEST METHOD	MIN	MAX
1	Saybolt Furol viscosity at 50 C°	AASHTO T 72 & ASTM D88	75	150
2	Flash point (tag open cup) C°	AASHTO T 79 & ASTM 3143	40	-
3	Density Kg/Ltr at 25 C°	ASTM D-3142	0.90	0.95
4	Distillation:	AASHTO T 78		
	Distillate, vol. % of total distillate to 360 C°:	&		
	Up to 190 C°	ASTM D402	-	20
	Up to 225 C°		25	65
	Up to 316 C°		70	90
	Residue from distillation at 360 C° % (By volume)		70	-
5	Tests on residue from distillation: Penetration at 25 C 0.1 mm	AASHTO T 49 & ASTM D5	120	300
6	Ductility at 25 C CM	AASHTO T 51 & ASTM D113	100	-
7	solubility in trichloroethylene %	AASHTO T 44 & ASTM D2042	99.5	-
8	water, volume %	ASTM D-95	-	0.2
9	drying time at 25 C° in hours		4	8

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI MC-PROOF

صناعة
سعودية
MADE IN KSA



SI INSULATION

RC-PROOF is a Cold applied product, easy to apply, it doesn't need thinning or heating., complies with the requirements and specifications of ASTM D-2027 standard, Which is blended with Penetration grade of bitumen and medium curing solvents, wetting and saturation additives

Uses :

SI RC-PROOF Rapid Curing Cut-Back Asphalt Compiles With MOC Specification for Road and Bridge Construction, Treatment of road surfaces and pavement as a prime coat. Construction works, protective, and dam proofing coating, foundation, concrete, metal-timer etc. Soil stabilization.

Application :

suitable for use in the construction & maintenance of pavement as designated in MOC Specification. It is ideal for prime coat. MC_Proof is applied to asphalt or granular surfaces using truck mounted spray equipment.

Cleaning :

TOOLS Clean with petroleum solvents.
HANDS Use a hand cleaner or solvent followed by soap and water

Health & Safty :

Contains petroleum grades of solvent; flammable; keep away from open fire, spark or other ignition sources. were protective clothes, safety shoe, gloves, and goggles.

Storage and Shelf Life :

SI RC-PROOF should be stored under ventilated covered store at temperature between 5°C and 30°C. The shelf life of 24 months can be expected for should be stored under ventilated covered unopened containers stored properly.

Packaging :

Available in 200kg, 100kg

Coverage :

For tack coats, the maximum rate is (0.5 - 0.8) liters/m2, depends on the porosity of the prepared soil surface.

Standard :

Exceed the performance requirements of ASTM D-2027

Health and Safety :

FIRE Flammable when wet flash point 40c.
SKIN Avoid repeated or prolonged skin contact; if contact occurs remove with hand cleaner that removes oil and grease; when clean with soap and water.
EYES No special precautions required. But if eyes contact cause irritation. flush with clean water.

SI RC-PROOF



COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM RC-Proof

SR	PROPERTIES	TEST METHOD	MIN	MAX
1	Saybolt Furol viscosity at 60 C°	AASHTO T 72 & ASTM D88	100	200
2	Flash point (tag open cup) C°	AASHTO T 79 & ASTM 3143	-	-
3	Density Kg/Ltr at 25 C°	ASTM D-3142	0.90	0.95
4	Distillation:	AASHTO T 78		
	Distillate, vol.% of total distillate to 360 C°:	&		
	Up to 190 C°	ASTM D402	40	
	Up to 225 C°		65	-
	Up to 316 C°		87	-
	Residue from distillation at 360 C°% (By volume)		75	-
5	Tests on residue from distillation: Penetration at 25 C 0.1 mm	AASHTO T 49 & ASTM D5	80	120
6	Ductility at 25 C CM	AASHTO T 51 & ASTM D113	100	-
7	solubility in trichloroethylene %	AASHTO T 44 & ASTM D2042	99.5	-
8	water, volume %	ASTM D-95	-	0.2
9	drying time at 25 C° in hours		3	5

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI RC-PROOF

صناعة
سعودية
MADE IN KSA



SI INSULATION

CONSTRUCTION CHEMICALS



CONSTRUCTION CHEMICALS

شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

General Description :

SI PROOF COAT 1000 high- performance cold applied high elastomeric waterproofing, water base acrylic based on the selective grade of polymer that curing into a tough, elastic film from high-quality waterproofing membrane high flexible, protected from UV Cold or rapid changes in temperature, which can be applied by a soft brush, roller, or spray.

Surface Preparation :

Surface preparation is a very vital issue and this influences the integrity of the waterproofing system. Hence, care must be exercised whether the preparation is done. Concrete Surface:-
- A-1 the surface must be smooth, dry and free from dust and rust.
- Remove all the loose material by using a wire brush. - Remove all the excess amount of sand, enamel, oil, and grease. - Make sure all the surface must be cured by tap water or be removed excess loose materials

Old Concrete Surface :-

All cracks, leakage must be repaired by the cement mortar or seal it. Make sure all the surface must be cured by tap water or also remove excess loose materials.

From the old surface must be removed all the loose material, grease, oil, and other contaminated substances, etc. which should be removed by high water pressure blasting. Before treatment of brooming, treat the cleaned surface with a suitable fungicide.

Old Roof Tiles Surface :-

- Replace all the damaged tiles and repair all the joints. - Remove all the loose material in between the tiles and clean it by using a wire brush. - Remove all the excess materials. - Surface must be free from grease and oil or other contaminated substances

- Clean all the surface by using tap water and let them dry for a minimum 2hr.

- Surface must be completely dry before

application. Metal roofs :-

- Remove corrosion, moss, mildew, loose paint and rust areas by application of wire brush
- Before treatment of brooming, treat the cleaned surface with a suitable fungicide.

- Clean all the surface excess loose paint dust by high pressure water brooming.

Old Asphalt Surface :-

- For old bituminous surface clean with high-pressure water broom and rebonds with a suitable adhesive. Allow to cure.
- Then prime clean surface with Premium coat 1000 diluted with 10 to 20% water.

Use :

SI PROOF COAT 1000 waterproofing system can be applied on the desired surface: kiln brick, concrete tiles, concrete surface, plywood, slate, and polyurethane surface, can be used with or without reinforcement.

SI PROOF COAT 1000 can be applied on the roof, exterior wall, kitchen, bathroom, ground sewage, water tank, etc..

Application :

Surfaces must be thoroughly clean, dry and free from moisture, dust and rust, grease, oil. It can be applied by either soft brush, roller or spray. A minimum of two coats is recommended for the satisfactory and period of recoating interval after the 1st coat was completed.

Mixing :

For the first coat, SI PROOF COAT 1000 may be diluted (10 to 20)% water, greater dilution may lead to weaker bonding with the substrate, for the second coat, no need to dilute water, just use pure acrylic. Apply two coats with a gap of 1 to 2hr each at the approximate rate of 0.7kg/m², make sure before the second coat is applied, the first coat must be completely dry. The second coat must be applied perpendicular to the first coat to achieve complete waterproofing.

Application method :

SI PROOF COAT 1000 may be applied by a soft brush, roller, or spray gun. At the end of the second coat, it gives you (0.81-)mm thickness, if you want more thick go for the further coat. Each coat must be applied perpendicular to the first coat.

Storage :

Closed container storage under moderate temperature above 5°C Below 30°C protect sunlight and frost. Don't store directly from sunlight it may lead to damage your material.

SI PROOF COAT 1000



Precautions:

- All the surface must be clean, dry, dust and rust.
- moisture can lead to a severe problem, later when the surface to receiving a coating of PREMIUM COAT-1000
- Never apply in rain is imminent.
- Thick coat below 50 °C temperate may lead to reduce elasticity and possibility for creak forming

Health and Safety:

- Toxicity- nontoxic and odorless
- Flammability- it's completely water-based non-flammable when wet the cured membrane film will be burned but it not a fire hazard.
- Skin contact - PREMIUM COAT 1000 can't be damaged by using rubber gloves will protect sensible skins.
- PREMIUM COAT-1000 comes into contact with eyes and skin should be clean with water.

Package:

Available in 20 kg and 200kg another by request.

Cleaning :

All the tools must be cleaned with water after use. Once it cures, material can only be removed by mechanical methods.

COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM SI PREMIUM COAT 1000

	Name of test	Result	Test method
1	SOLLID CONTENTS %	65 + 1	ASTM D 1076
2	VISCOSITY 25 MPa-S	20.000 : 40.000	ASTM D 7867 - 13
3	Specific gravity	1.3+0.05	ASTM D 1475 - 16
4	PH	7.5-8.5	ASTM D 6903 - 07
5	Application temperature	(5 C : 60 C)	
6	Drying time 25 C	(2-3) Hours	Double Coat
7	Self Life	1.5 Years	Sealed Can
8	Coverage	(1.5 : 2.0) M2 / kg	
9	Tensile Strength	480 N/CM2	ASTM D-412
10	Elongation , At Break	400 %	ASTM D-412
11	Water vapour transmission gm/m2/Hr	1.365	ASTM E-96
12	Cold Flexibility	-8	ASTM D-412
13	Heat Stability	70 C	ASTM D-412
14	Permeability	pass	ASTM E-938
15	Dry peel adhesion , lbs/sq. in	72	ASTM C-297
16	UV Resistance	2500 no color fade	ASTM D-822

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI PPROOF COAT 1000

صناعة
سعودية
MADE IN KSA



General Description :

SI PREMIUM COAT 1000 high- performance cold applied high elastomeric waterproofing, water base acrylic based on the selective grade of polymer that curing into a tough, elastic film from high-quality waterproofing membrane high flexible, protected from ,UV Cold or rapid changes in temperature, which can be applied by a soft brush, roller, or spray.

Surface Preparation :

Surface preparation is a very vital issue and this influences the integrity of the waterproofing system. Hence, care must be exercised whether the preparation is done. Concrete Surface :-
A- The surface must be smooth, dry and free from dust and rust.
- Remove all the loose material by using a wire brush.
- Remove all the excess amount of sand, enamel, and grease.
- Make sure the surface must be cured by tap water or be removed excess loose materials

Old Concrete Surface :-

All crack, leakage must repair by the cement mortar or seal it. Make sure all the surface must be cured by tap water or also remove excess loose materials.

From the old surface must be removed all the loose material grease, oil, and other contaminated substance, etc. which should be removed by high water pressure blasting. Before treatment of brooming treating that cleaned surface with the suitable fungicide.

Old Roof Tiles Surface :-

- Replace all the damaged tiles and repair all the joints :-
- Remove all the loose material in between the tiles and clean all by using a wire brush.

- Remove all the excess materials.

- Surface must be free for grease and oil or other contaminated substance

- Clean all the surface by using tap water and let them dry for a minimum 2hr.

- Surface must be completely dry before application.

Metal roofs :-

- Remove corrosion, moss, mildew, loose paint and rust areas by application of wire brush

- Before treatment of brooming, treating the cleaned surface with a suitable fungicide.

- Clean all the surface excess loose paint dust by high pressure water brooming.

Old Asphalt Surface :-

- For old bituminous surface clean with high-pressure water broom and rebonds with a suitable adhesive Allow to curing.

- Then prime clean surface with Premium coat 1000 diluted with 10 to 20% water.

Use :

SI PREMIUM COAT 1000 waterproofing system can be applied on the desired surface like brick, concrete tiles, concrete surface, plywood, slate, and polyurethane surface, can be used with or without reinforcement.

SI PREMIUM COAT 1000 can apply on the Roof, exterior wall, Kitchen, Bathroom, Ground sewage, water tank, etc..

Application :

Surfaces must be thoroughly clean, dry and free from moisture, dust and rust, grease, oil. It can be applied by either soft brush, roller or spray. A minimum of two coats is recommended for the satisfactory and period of recoating interval after 1st coat was completely dried.

Mixing :

For the first coat, SI PREMIUM COAT 1000 may dilute (10 to 20)% water,

Greater dilution may lead to weaker bonding with the substrate, for the second coat no need to dilute water just use pure acrylic apply two coats with the gap of 1 to 2hr each at the approximate rate of 0.7kg/m², make sure before the second coat applied, the first coat must be completely dry.

The second coat must be applied perpendicular to the first coat to achieve complete waterproofing.

Application method :

SI PREMIUM COAT 1000 may be applied by a soft brush, roller, or spray gun. At the end of the second coat, it gives you (0.81-)mm thickness, if you want more thick go for the further coat.

Each coat must be applied perpendicular to the first coat.

Storage :

Closed container storage under moderated temperature above 5°C Below 30°C protect sunlight and frost.

Don't store directly from sunlight it may lead to damage your material.

SI PREMIUM COAT 1000



Precautions:

- All the surface must be clean, dry, dust and rust.
- moisture can lead to a severe problem, later when the surface to receiving a coating of PREMIUM COAT-1000 - Never apply in rain is imminent.
- Thick coat below 50 °C temperate may lead to reduce elasticity and possibility for creak forming

Health and Safety:

- Toxicity- nontoxic and odorless
- Flammability- it's completely water-based non-flammable when wet the cured membrane film will be burned but it not a fire hazard.
- Skin contact - PREMIUM COAT 1000 can't be damaged by using rubber gloves will protect sensible skins.
- PREMIUM COAT-1000 comes into contact with eyes and skin should be clean with water.

Package:

Available in 20 kg and 200kg another by request.

Cleaning :

All the tools must be cleaned with water after use. Once it cures, material can only be removed by mechanical methods.

COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM SI PREMIUM COAT 1000

	Name of test	Result	Test method
1	SOLLID CONTENTS %	65 + 1	ASTM D 1076
2	VISCOSITY 25 MPa-S	20.000 : 40.000	ASTM D 7867 - 13
3	Specific gravity	1.3+0.05	ASTM D 1475 - 16
4	PH	7.5-8.5	ASTM D 6903 - 07
5	Application temperature	(5 C : 60 C)	
6	Drying time 25 C	(2-3) Hours	Double Coat
7	Self Life	1.5 Years	Sealed Can
8	Coverage	(1.5 : 2.0) M2 / kg	
9	Tensile Strength	480 N/CM2	ASTM D-412
10	Elongation , At Break	400 %	ASTM D-412
11	Water vapour transmission gm/m2/Hr	1.365	ASTM E-96
12	Cold Flexibility	-8	ASTM D-412
13	Heat Stability	70 C	ASTM D-412
14	Permeability	pass	ASTM E-938
15	Dry peel adhesion , lbs/sq. in	72	ASTM C-297
16	UV Resistance	2500 no color fade	ASTM D-822

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SI PREMIUM COAT 1000

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General Description:

SI NITEFIX is a polymer modified cement based adhesive, white in colour especially formulated for installation of natural stones and marble on floors & walls .

SI NITEFIX is particularly suitable in situations, where residual moisture present in typical cement / sand mix adhesive causes efflores-cence and leaves stain marks.

SI NITEFIX is designed to prevent such defects commonly observed while using natural stone, translucent tiles and marble etc.

SI NITEFIX is suitable for application on common substrates such as concrete, brickwork, block work, screeds etc. For application on any other surface please check with  company about its suitability.

SI NITEFIX is designed for wet fixing, eliminating the mechanical anchorage of heavy tiles/slabs for internal and external application .

Uses:

SI NITEFIX is recommended to be used as an adhesive for fixing of marble, and other natural absorbent stones, especially for white and translucent marble. It can be used for indoor / outdoor installations and also underwater application such as fountains, swimming pool etc.

SI NITEFIX is also recommended for use as a sealer for underbody application as a waterproofing slurry, specially for white and translucent marble .

Features :

- * Helps prevent efflorescence and water stain mark on tiles .
- * Especially developed for white coloured marble and natural stones .
- * Single component just mix water at site .
- * Strong adhesive to most substrate .
- * Suitable for External and internal application .
- * Waterproof .
- * Slip and heat resistant .
- * VOC free .

Mixing :

SI NITEFIX powder is to be added to water in a clean container. Use 5.5 to 6.0 Litre of water per 20 kg bag of **SI NITEFIX** . Use a slow speed drill with spiral mixing paddle for getting a lump free, smooth easily workable mortar, which is homogenous . Allow the mortar to stand for 5 minutes. Remix, but do not add water .

SI NITEFIX C2TES2

ADHESIVE FOR NATURAL STONES , MARBLE & DIFFICULT SUBSTRATE

Surface Preparation:

The surface should be clean, firm and free from dust, oil, grease, curing compound and other contaminants. Ensure that the substrate is strong enough to support the heavy weight of stone/stone tiles. In case the substrate is new concrete, ensure it is completely dry before fixing of tiles. If the substrate is uneven, it is essential to first pre-level the surface .

Application :

The size of the notch will depend on the thickness of the adhesive bed required to install the stone / marble generally 6mm x 6mm , is sufficient . In case of very large heavy stone/marble tile, it is recommended to apply adhesive on the tile also. Marble and other natural stone tiles are firmly bedded with slight twisting action to ensure full contact is made between tile and substrate. Ensure that tiles are fixed within 15:20 minutes of mixing the product .

Coverage :

Coverage will depend upon the type of notched trowel used, however, as guidelines, approximately 1.0 kg of **SI NITEFIX** powder/ m²/mm of bed thickness .

Technical Services :

Keep away from direct sunlight / moisture and store under normal warehouse conditions. Avoid stacking more than 5 layers high as the product is likely to become hard under constant heavy load. The shelf life of the product is 12 months from the date of manufacturing. It is advisable to rotate the stock so that the bottom bags should not subject to continuous load .

Standard :

EN 12004 & EN 1348

Packing :

20 kg. bag




Disclaimer :

Use this leaflet as a guide for the use of the product concerned . The information given is in accordance with latest technical developments . However, we cannot accept liability/responsibility for any work carried out with our materials, as we have no control over the method of application used or the condition of site involved .

Health & Safty :

SI NITEFIX is non - hazardous but care should be taken to avoid dust inhalation, eye and skin contact .

Technical services :

Technical assistance and information is available by calling  company on specific application

SR	SI NITESIX C2TES2	C2TES2
1	APPEARENCE	WHITE POWDER
2	MAXIMUM PARTICLE SIZE	0.6 mm
3	MIXING RATIO	5.5 TO 6.0 L/20 KG BAG
4	APPLICATION TEMPERATURE	FROM +5°C : +35°C
5	POT LIFE	> 1.5 HOURS
6	OPEN TIME (AS PER EN12004)	30 min
7	SLIP (AS PER EN 12004)	< 0.5 min
8	TENSILE ADHESION STRENGTH (AS PER EN12004 , EN 1348)	≥ 1N / mm ²
9	COVERAGE	
10	BULK DENSITY	1.4 KG / m ³
11	READY FOR GROUTING	AFTER 24 HOURS
12	RESISTENCE TO ALKALINE	EXCELLENT
13	TENSILE ADHESION STRANGTH AFTER HEAT AGEING (AS PER EN12004 , EN 1348)	≥ 1N / mm ²
14	TENSILE ADHESION STRANGTH WATER IMMERSION (AS PER EN12004 , EN 1348)	≥ 1N / mm ²
15	TENSILE ADHESION STRANGTH AFTER REEZE & THAW CYCLES (AS PER EN12004 , EN 1348)	≥ 1N / mm ²
16	TRANSVERSE DEFORMATION (CLASSIFICATION S1)	≥ 2.5 mm / AND < 5 mm

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI NITEFIX C2TES2

ADHESIVE FOR NATURAL STONES , MARBLE & DIFFICULT SUBSTRATE

صناعة
سعودية
MADE IN KSA



General Description:


SI NITEBOND is a specially designed adhesive containing POLYMER in powder form developed for Middle East Climatic condition.

SI NITEBOND is a premium grade powder product for high strength, and waterproof characteristics, available in grey and white grades .

Uses:

SI NITEBOND is a waterproof high quality adhesive used for fixing ceramic wall and floor tiles on cement substrate e.g. render, plaster, screed and concrete in kitchens, bathrooms and corridors. Besides internal for applications **SI NITEBOND** is also suitable for installation of tiles on the building facads, swimming pools and water tanks .

SI NITEBOND is also recommended for fixing fully vitrified tiles for wall and floor as well as over mosaic floor tiles .

NOTE : As wide varieties of tiles are used in the construction industry we always recommend that if there is any doubt about suitability of please check with  for specific advice .

Features :

- * Single component just add water at site .
- * High strength and flexibility .
- * Recommended for under water application .
- * Waterproof .
- * No prewetting of tiles is necessary .
- * Long open time .
- * Exterior and Interior application .
- * Specially formulated for Middle East climatic condition .
- * VOC free .

Mixing :

Use 5.5 litres of water for each 20 kg. bag of **SI NITEBOND** . Use a slow speed drill with a suitable mixing without entraining too much air . Always add powder to water and mix until a homogeneous, lumpfree mix is obtained. Allow the mix to stand for 5 minutes. No futher water should be added .

Surface Preparation:

Ensure that the surface to be tiled is clean, dry and free from loose dust, grease, curing compounded etc. Very hot and dry surface may preferably be dampened prior to tilling operation

Tile Preparation:

Good quality tiles that have low water absorption need not to be soaked in water. However highly absorbent tiles may be soaked for short duration . Please check with Falcon Chemicals in case of doubt .

Precaution :

SI NITEBOND should not be cured after application

Application :

Apply adhesive evenly on the substrate on an area of approx. one square metre at a time. Use a notch (ribbed) trowel of suitable size depending upon the size and type of tiles. Make sure the tiles are fully embedded in to the mortar. Tiles should be dry and fixed by pressing into place with a slight twisting action Grouting of the joints should be carried out after at least 24 hours of fixing tiles with **SINSULATION GROUT**

Coverage :

7m / bag of 25 kg (approx.)

Standard :

EN 12004 - 2 000 & EN 1348 ANSI 118.1

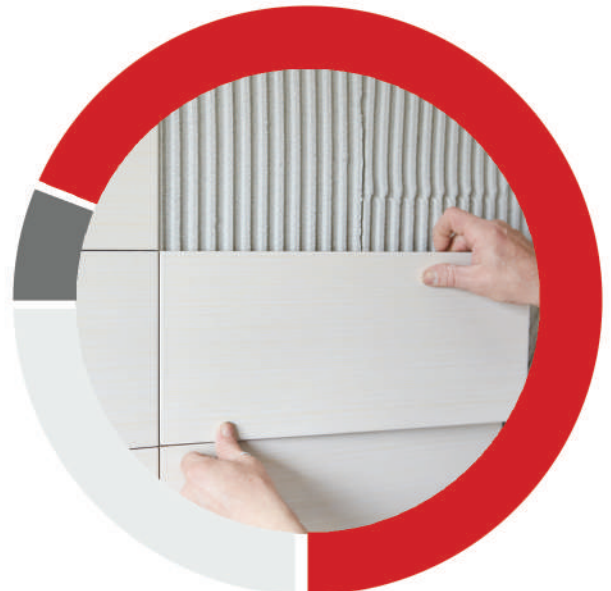
Packing :

White 20 kg. bag

Storage / Shelf Life :

Keep away from direct sunlight / moisture and stored under normal warehouse conditions. Avoid stacking more than 5 layers high as the product is likely to become hard under constant heavy load. The shelf life of the product is 12 months from the date of manufacturing . It is advisable to rotate the stock so that the bottom bags should not be subject to continuous load .

SI NITEBOND C1TE




Disclaimer :

Use this leaflet as a guide for the use of the product concerned . The information given is in accordance with latest technical developments . However, we cannot accept liability/responsibility for any work carried out with our materials, as we have no control over the method of application used or the condition of site involved .

Health & Safty :

SI NITEBOND is non - hazardous but care should be taken to avoid dust inhalation, eye and skin contact . wash with plenty of water incase of accidental contact with body part . ensure use of ppe during application .

Technical services :

Technical assistance and information is available by calling  company on specific application

SI NITEBOND C1TE		C1TE
1	APPEARENCE	WHITE POWDER
2	MAXIMUM PARTICLE SIZE	0.6 mm
3	POWDER DENSITY	1.6 KG / L
4	MIXING RATIO	5.5 L / 20 KG Bag
5	APPLICATION TEMPARATURE	+5°C & 35°C
6	POT LIFE	> 1.5 HOURS
7	OPEN TIME (AS PER EN 12004)	30 min
8	SLIP (AS PER EN 12004)	< 0.5 min
9	TENSILE ADHESION STRENGTH (AS PER EN 12004)	> 0.5 N / mm ²
10	COVERAGE	2.5 - 4.5 KG/m ² DEPEND ON TROWEL'S NOTCH SIZE AND NATURE OF SUBSTRATE

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REGUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI NITEBOND C1TE

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	NAME OF TEST	RESULT	TEST METHOOD
1	Appearances	Ready mix powder	--
2	color	Gray	
3	Chemical Base	Special cement, polymer, aggregates and additives	
4	Pot life	30-50 min	ASTM C 308
5	Density [g/cc]	1.8±0.1	ASTM D1475
6	Grain size	0.1mm	
7	Compressive strength	>15 N/mm2	ASTM C 579
8	Flexural strength	>5 N/mm2	ASTM C 580
9	Water permeability@5bar	<10 mm	BS EN 12390
10	Application temperature	+5 to 45 °C	

NOTE : The above shown technical data are results obtained in laboratory and can be provide by the request standards results are subjected to a variation of 20%.

Health and safety:

Toxicity: Nontoxic and odorless.

Flammability: Nonflammable

Inhalation: During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin contact - Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eye contact - In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately- Do not vomiting.

Safety – wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

SI FIXPLUS 411 FC

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Introduction :

SI FIXPLUS 411 FC is a one component dry pre- mixed; polymer modified cementitious minor/ pinholes fairing coat concrete repair. Due to its unique composition provide non shrinkage, flexible and smooth finish also can be used as a skin coat.

Advantages :

- Ø Ready mix, easy to use.
- Ø Good mechanical properties.
- Ø Excellent adhesion to concrete.
- Ø Resist cracking and shrinkage.
- Ø Provide smooth coat.
- Ø Excellent durability and comparability.
- Ø Non corrosive towards metals.

Application Method :

Surface preparation:

The surface must be thoroughly clean, sound and free from dust, cracks, ridges, oil and grease, loose particles and other contamination.

The surface must be prepared mechanically brushing, or high pressure blasting which will gives clean exposed surface. The surface should be clean with the tap water however ensuring that the surface should be saturated and free from water before applications. Exposed reinforcement should be free from chloride or other material which may cause corrosion. This is clean by water blasting method before applying any corrosion inhibitor.

Product preparation:

Pour 6 to 7 liter per 20kg of bag **SI FIXPLUS 411 FC** into a clean container and add powder component gradually while mixing with a low speed mixing stirrer until a lump free paste is achieved.

Standard / Compliance :

SI FIXPLUS 411 FC repair mortar system complies with the following international standards

ASTM C 579	: Compressive Strebghth
ASTM C 580	: Flexural Strebghth
EN 12617- 4	: Drying Shrinkage

Use :

SI FIXPLUS 411 FC is design for application of minor imperfections in concrete and masonry surfaces in the range of feather edge up to 3mm can be used for the filling of pinholes prior to over coating, minor crack filling, as a thin layer render, fair face concrete repair etc. in the field of exterior, interior wall and ceilings.

Application :

SI FIXPLUS 411 FC Apply the mixed with the steel trowel to the substrate up to 3mm thick and allow to partly setting before finally towel-drying to a smooth finish and excess paste should be removed and finishing should be done by s steel trowel, Aluminum tube, and plastic float Render finisher.

Note: water can be drowning to the surface if overworking with the float occurs resulting in an unsightly finish. Sponges or plastic floats may be used to achieve desired texture.

SI FIXPLUS 411 FC prepared paste must be used within an hour from mixing depending on weather and site conditions.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done .

Curing Trea Tnent :

Cure the exposed surface by spraying tap water for the 2-3 days using appropriate curing method e.g. curing component, moist Geo textile, and polythene sheet etc.

Storage & Shelf Life :

12 months in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, exposed in sun or humid area.

SI FIXPLUS 411 FC



	NAME OF TEST	RESULT	TEST METHOUD
1	Appearances	Ready mix powder	--
2	color	Gray	
3	Chemical Base	Special cement, polymer, aggregates and additives	
4	Pot life	30-50 min	ASTM C 308
5	Density [g/cc]	1.8±0.1	ASTM D1475 - 16
6	Shrinkage 28 days	<5 Nm/m	EN 12617 - 4
7	Compressive strength	7 Days >60 N/mm2	ASTM C 579
		28 Days >70 N/mm2	BS EN 12190
8	Flexural strength	7 Days >6 N/mm2	ASTM C 580
		28 Days >7 N/mm2	
			BS EN 6319 Part 7
9	Water permeability@5bar	<5 mm	BS EN 12390
10	Water absorption %	< 2	ASTM D 642

NOTE : The above shown technical data are results obtained in laboratory and can be provide by the request standards results are subjected to a variation of 20%.

Health and safety:

Toxicity: Nontoxic and odorless.

Flammability: Nonflammable

Inhalation: During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin contact - Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eye contact - In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately- Do not vomiting.

Safety – wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

SI FIXPLUS 410 HD

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Introduction :

SI FIXPLUS 410 HD is a one component ready mix, fiber reinforced polymer modified cementitious repair mortar. Due to its unique composition resists sulphates and it provide high strength , non shrinkage , flexible and smooth finish that is suitable for columns .

Advantages :

- Ø Ready mix, easy to use.
- Ø Good mechanical properties.
- Ø Excellent adhesion to concrete.
- Ø Resist cracking and shrinkage.
- Ø Provide smooth coat.
- Ø Excellent durability and comparability.
- Ø Non corrosive towards metals.

Application Method :

Surface preparation:

The surface must be thoroughly clean, sound and free from dust, cracks, ridges, oil and grease, loose particles and other contamination.

The surface must be prepared mechanically brushing, or high pressure blasting which will gives clean exposed surface.

The surface should be clean with the tap water however ensuring that the surface should saturated and free from water before applications.

Exposed reinforcement should be free from chloride or other material which may cause corrosion. This is clean by water blasting method before applying any corrosion inhibitor.

Product preparation:

Pour 3.5 to 4 liter into a clean container and add powder component gradually while mixing with a low speed mixing stirrer until a lump free paste is achieved.

Standard / Compliance :

SI FIXPLUS 410 HD repair mortar system complies with the following international standards

- ASTM C 579 : Compressive Strebgth**
ASTM C 580 : Flexural Strebgth
EN 12617- 4 : Drying Shrinkage

Use :

SI FIXPLUS 410 HD is a ideal repair mortar for beams, columns, slabs, heavy damaged concrete structure, bridges, repair wall and ceiling can be use all the porous concrete surfaces etc .

Application :

SI FIXPLUS 410 HD can be applied with a bucket trowel, spray machine or by pumping and excess paste should be removed and finishing should be done by shovel , Aluminum tube, Render finisher .

SI FIXPLUS 410 HD prepared paste must be used within an hour from mixing depending on weather and site conditions. For thickness more than 50 mm recommended using two layers when the first coat is applied it the surface should be roughened to batter bond with the second layers .

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done .

Curing Trea Tnent :

Cure the exposed surface by spraying tap water for the 2-3 days using appropriate curing method e.g. curing component, moist Geo textile, and polythene sheet etc.

Storage & Shelf Life :

12 months in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, exposed in sun or humid area.

SI FIXPLUS 410 HD



Introduction :

SI FLEX-SEAL8000 is two compound elastic, high flexible polymers modified cementitious waterproof coating that requires only mixing to form of the ideal waterproofing surface. Component A is a mortar based on mixture of cement, sand, additives. Once applied and cured SI FLEX-SEAL8000 provide non toxic, highly flexible and waterproof coating with very high adhesion on those common substrates use in construction such as concrete, natural and artificial stone, bricks, concrete blocks, etc. it protects from UV, Cold or rapid changes in temperature, which can be applied with a soft brush, roller, trowel or spray .

Advantages :

- Easily to apply by brush, roller, or by spray or trowel applied product. It is resist from UV radiation.
- Provides a fully-flexible coating which ensures complete waterproofing even in the most severe conditions, as high negative hydrostatic pressure.
- A fully cured membrane of 1 to 2mm thickness is vapor permeable and allows the substrates to breath.
- Excellent protection for concrete, being a CO and chloride (Cl-) barrier and thereby preventing carbonation and electrochemical corrosion.
- Resists the negative hydrostatic pressure from ground water when it is used in underground interior applications.
- Environmentally friendly, long lasting than other coating, avoiding maintenance cost.
- Non toxic and chloride free. Suitable for contact with potable water.
- Bonding well to damp substrates without priming.
- Excellent bonding strength of porous and non-porous surface.

Surface Preparation :

Surface preparation is a very vital issue and this influences the integrity of the waterproofing system. Hence, care must be exercised when the preparation is done.

Concrete Surface :-

- The entire surface must be clean, sound and fine pored. It must be free from grease, Dust, cracks and ridges.
- Remove all the loose material by using a wire brush or treatment of broom.
- Remove all sand, Dust, and free from oil and grease.
- Surface should be free from grease, oil, and other contaminated substance, etc. which should be removed by high water pressure blasting.
- Make sure all the surface must be cured by tap water before application of SI FLEX-SEAL8000 for batter bonding to the substrate.

Old Concrete Surface :-

- From the old surface, all the loose material must be removed and cleaned.
- Grease, oil, and other contaminated substance, etc. which should be removed by high water pressure blasting.
- Before treatment of broom treating that cleaned surface with the suitable fungicide.
- All crack, leakage must repair by the cement sand mortar, cold mastic or sealant joint.
- Make sure all the surface must be cured by tap water before application of SI FLEX-SEAL8000for batter bonding to the substrate.

Use :

- SI FLEX-SEAL8000 can apply for waterproofing water structures, exterior basement wall, balconies, Kitchen, Bathrooms, under tile floors, Ground sewage, sewage treatment ,plants, swimming pools, foundations, water tank, exposed and decoupled roofs, sealing of expansion and backing to marble and granite to prevent water ingress and surface staining, to protect from carbonation and chloride attack, etc.
- Waterproofing of below-grade structures surface such as brick, concrete tiles, concrete surfaces, lining for retaining structures / swimming pools, sea water structures.
 - Waterproofing and protection of concrete against carbonation chloride attack.

Mixing :

- SI FLEX-SEAL8000 having two compounds part A" waterproof powder and part B" liquid acrylic co-polymers both products part "A" and part "B" are allow to be mixed at the job site.
- Pour the entire liquid polymer component into a clean container and add powder component gradually while mixing with a low speed mixing with the speed of (400-600 rpm) stirrer until a lump free mass is achieved.
 - Minimum (2-3) minutes are requiring for stirrer until a uniform consistency is achieved.
 - Do not add water and keep liquid/powder ratio as the package supplied.
 - Depending on existing temperature and relative humidity, pot life expected will be between 30 minutes and one hour.

Consumption:

per layer, achieving 2 SI FLEX-SEAL8000 is applied in two layers of approximately of 1.0-1.5 kg/m² consumption depends on porosity and texture of the a total consumption of 2.0 - 3.0 kg/m² surface, a preliminary test on site is recommended to determine consumption exactly.

SI FLEX-SEAL 8000



Application :

SI FLEX-SEAL 8000 is suitable for smooth concrete, screed, mastic asphalt, plaster, gypsum board and masonry surface etc. It can be apply by soft brush, roller, and spray or by trowel when smooth finish is required.

- Minimum two coats are recommended, for satisfactory and the period of re-coating interval after 1st coat are complete dried.
- The second coat must be applied perpendicular to the first coat, to be achieving complete waterproofing.
- For large area SI FLEX-SEAL 8000 can be also sprayed, being the recommended nozzle size of 3-4 mm and spraying pressure between 3.5 and 5.0 bars. When sprayed, it is recommended to finish the fresh layer with a broom in order to make sure that the whole surface is covered completely.
- Minimum two coats are recommended, for satisfactory and the period of re-coating interval after 1st coat are complete dried.
- The second coat must be applied perpendicular to the first coat, to be achieving complete waterproofing.
- For concrete joints and cracks have been repaired and sealed, SI FLEX-SEAL 8000 will be applied with a fiber mesh 40-60 g/m², place the mesh on the first layer of SI SLEX-SEAL 8000

Application conditions :

Optimum application temperature range is from 5 °C to 30 °C. Do not apply below 5 °C. Do not apply on frozen surfaces or if rain is expected.

Cleaning :

All the tools must be cleaned with water after use. Once it cures, material can only be removed by mechanical methods.

Important indications :

- Do not add water, sand, cement, additives or any other compounds it may leads to damage your product quality.
- Do not apply on dusty, frozen on frosted surfaces.
- Do not apply any humid area or bad weather like possibility of raining.
- Do not apply other surface which is not specified in this technical data sheet, or consult our technical department.

COLD APPLIED FAST DRYING PRIMER FOR GENERAL PURPOSES ASTM SI SLEX-SEAL 8000

	Name of test	Result	Test method
1	Component "A"	Powder form	---
2	Component "B"	Milky white liquid	---
3	Color	Gray/white	---
4	Density of Component "A"	1.45	---
	Density of Component "B"	1.05	---
	Mixed density of Component "A+B"	1.65	---
5	Application temperature	(+5 °C to 60 °C)	---
6	Water permeability @5 bars.	Nil	BS EN 12390
7	Water vapor transmission	0.02 g/m ² at 28 d	ASTM E 96
8	Adhesion to concrete	2.0N/mm ² at 28 d	ASTM D 4541
	Adhesion to steel panel	1.75 N/mm ²	---
9	Tensile strength	4.2 N/mm ²	ASTM D-412
10	Elongation , at break	>130%	ASTM D-412
11	Resistance to co2 diffusion	dcO ₂ =0.43*10 ⁻⁷ m/s R=346 m(R>50m)	---
12	Resistance to water vapor diffusion	dH ₂ O=0.131*10 ⁻¹ m/s S=1.9m	---
13	Resistance to sulfates	pass	ASTM C 1012
14	Resistance to fire	Class A1	BS EN-998-1
15	Flame spread index (FSI)	15	ASTM E 84
16	Smoke developed index (SDI)	20	ASTM E 84

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SI FLEX-SEAL 8000

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MADE IN KSA



LATEX PLUS is a one component Styrene butadiene rubber latex bonding agent. It is characterized with high bonding strength, water and chemical resistance. LATEX PLUS mixing with cementitious admixtures it creates high adhesion to the substrate with superior elasticity, permeability, and flexure resistance.

Field of Application :

LATEX PLUS can apply for bonding of new to old concrete, tile bedding, basements, swimming pools, potable water tanks, sludge tank, internal and external wall, exposed and decoupled roofs, sealing and expansion and backing to marble and granite to prevent water ingress and surface staining, to protect from carbonation and chloride attack, etc.

Packaging :

available in 5 Ltr. & 20 Ltr.

Application Method :

Minimum thicknesses which can be apply by using LATEX PLUS (6-40) mm according to the nature and shape and size of the area which can repair.

From the extremities of the application area to depth at least 10mm to avoid feather.

The entire surface must be clean, sound and free from dust and rust.

Remove all laitance, oil and grease, and all the loose particles.

Remove all the excess or loose material by using a wire brush or treatment of broom.

The surface must be prepared by mechanically scrubbing, brushing, or blasting which will give clean exposed concrete surface.

Make sure all the surface must be cured by tap water till it reaches to saturated surface into dry conditions. However surface must be free from water.

Advantages :

- ☑ Easily to use.
- ☑ Excellent bonding strength.
- ☑ Excellent adhesion and resist salt and chemical attack.
- ☑ Reduces shrinkage.
- ☑ Reduces water absorptions.
- ☑ Long lasting.
- ☑ Non toxic.
- ☑ Increase mortar wear resistance.
- ☑ Improve abrasion and chemical resistant.

Mixing :

Selection of materials :

Cement- cement must be ordinary Portland cement. Sand- should be washed and well grade.

Aggregate- should be granite chips with the size of 3-6mm. Ratio of LATEX PLUS

10 Liter / 50 KG of cement.

Standard mortar (sand:cement) 3 :1

SLURRY BOND

The surface should be thoroughly soaked with clean water let it dry

A slurry bond should be prepared consisting of 1 volume LATEX PLUS to 1 volume Clean Water to 3 volumes

OPC Cement. Mixing with a low speed mixing Minimum (2-3) minutes are requiring for stirrer until a uniform consistency is achieved that can apply stiff brush, roller or trowel.

Make sure entire surface must be primed, no pinhole are visible. Do not thick coat more than 2mm, if second coat is necessary previous coat must be completely dry and second coat must be perpendicular to the first coat.

Dosage Table :

ITEM	SLURRY BOND By Volume %	Patching & Repair mortar	Floor Screed	Render	Tiles
OPC Cement	3	50	50	50	50
Clean Sand		150	75	150	125
Aggregate 3-6mm		-	75	-	
IZOLATEX SBR	1	5-10Ltr	5-10Ltr	5-10Ltr	5-10Ltr
WATER	1	7-10 Ltr	5-10Ltr	5-10Ltr	7-10 Ltr

SI LATEX PLUS SBR



Flooring Application :

This concerns the use of SI LATEX PLUS in concrete screeds and topping over background concrete.

SI LATEX PLUS : Minimum dosage we recommended. There are guide formulations table by using SI LATEX PLUS according to the work requirements and mixer should be concrete mixer with pan type to be used.

Pour the required quantity of sand, cement and aggregate and dry bland to gather for (3-5) minutes with slow speed with (400-500) Rpm and add the premix SI LATEX PLUS as we recommended. Add water slowly until the required homogenous consistency is achieved with the required workability.

Poured the screed based on SI LATEX PLUS modified mix placed over the applied wet bond slurry compact and level with screed bar and finish with steel float.

Finishing :

SI LATEX PLUS mortar can be finished by using steel, plastic or wooden float, or by damp sponge finish to achieved desired surface texture. Avoid additional water to the surface during the finishing surface.

Curing :

SI LATEX PLUS mortars and screeds should be taken for appropriate curing after finishing. Non-degradable type of curing compound may be used.

Safety :

wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done. The cured materials have excellent adhesion and are therefore difficult to remove. The hardened materials should be cleaned mechanically.

Storage & Shelf Life :

has 12 month in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, direct in the sun or humid area.

Health & Safety :

Toxicity: Nontoxic and odorless.

Flammability :

Nonflammable

Inhalation :

During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin Contact :

Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eyes Contact :

In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately Do not vomiting.

TECHNICAL DATA

S.no	Name of test	Result	Test method
1	Color and appearance	White milky liquid	--
2	PH	80.-10	
3	Density kg/Ltr.	1.0±0.05	ASTM 1475
4	Solid content, [%]	48±1	ASTM D- 2939
5	Flexural strength (N/mm ²) 7 days	12±1	ASTM C-580
6	Tensile strength(N/mm ²) 7 days	>7	ASTM C-307
7	Compressive strength (N/mm ²) 28 days	42±1	ASTM C-190
8	Slant Shear strength (N/mm ²)	>6	ASTM C-882
9	M.F.F.T	0°	--
10	Temperature resistance (°C)	-25 to +100°C	--
11	Freeze Thaw resistance passes 5 cycles -10°C	Excellent	--
12	Application temperature (substrate) (°C)	+5 to 40	--

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEAtc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI LATEX PLUS SBR



SI BOND X 500 is a one component synthetic rubber bonding agent in addition to cement mortars, is characterized with high bonding strength, water and chemical resistance.

Mortars and Renders :

SI BOND X 500 is a high quality bonding agent that increases the properties of mortars in the application such as prime concrete surface, thin layer patching mortar, renders, floor screeds, concrete repair mortars, Tile fixing mortars etc.

Product Information :

Packaging : Available in 5 ltr & 20 Ltr.

Self life : 12 months from date of production.

Application Method :

The entire surface must be clean, sound and free from dust and rust. Remove all laitance, oil and grease, and all the loose particles. The surface must be prepared by mechanically scrubbing, brushing, or blasting which will give clean exposed concrete surface. Make sure all the surface must be cured by tap water till it reaches to saturated surface into dry conditions. However surface must be free from water.

Advantages :

- ☑ Easily to use.
- ☑ Excellent bonding strength.
- ☑ Excellent adhesion and resist salt and chemical attack.
- ☑ Reduces shrinkage.
- ☑ Reduces water absorptions.
- ☑ Long lasting.
- ☑ Non toxic.
- ☑ Increase mortar wear resistance.
- ☑ Improve abrasion and chemical resistant.

Mixing :

Selection of materials :

Cement- cement must be ordinary Portland cement.
Sand- should be washed and well grade.
Aggregate- should be granite chips with the size of 3-6mm.

Ratio of SI BOND X 500:

10 Liter / 50 KG of cement.

Standard mortar (sand:cement) 3:1

Slurry bond :

- ☑ The surface should be thoroughly soaked with clean water let it dry.
- ☑ A slurry bond should be prepared consisting of 1 volume SI BOND X 500 bond to 1 volume Clean Water to 3 volumes OPC Cement.

Dosage : slurry- By volume SI BOND X 500 : Water : Cement 1: 1: 3

Dosage Table :

ITEM	SLURRY BOND By Volume %	Render
OPC Cement	3	50
Clean Sand		150
Aggregate 3-6mm	-	-
IZOBOND SBR	1	5-10Ltr
WATER	1	5-10Ltr

SI BOND X 500



Use :

Mixer should be concrete mixer with pan type to be used. Pour the required quantity of sand, cement and aggregate and dry bland to gather for (3-5) minutes to archive uniform consistency and add required quantity of premix Izobond as we recommended. Add water slowly until the required homogenous consistency is achieved with the required workability. Poured the screed based on Izobond modified mix placed over the applied wet bond slurry compact and level with screed bar and finish with steel float.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done. The cured materials have excellent adhesion and are therefore difficult to remove. The hardened materials should be cleaned mechanically.

Storage & shelf life :

SI BONDx 500 has 12 month in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, direct in the sun or humid area.

Health and safety :

Toxicity : Nontoxic and odorless.

Flammability :

Nonflammable

Inhalation :

During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and / or oxygen if necessary and get medical attention.

Skin contact :

Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eye contact :

In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately- Do not vomiting.

Safety :

wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

TECHNICAL DATA

S.no	Name of test	Result	Test method
1	Color and appearance	White milky liquid	--
2	Polymer	Styrene Butadiene Rubber	--
3	Density kg/Ltr.	1.0±0.05	ASTM 1475
4	Polymer Content , (%)	20 - 30 %	--
5	Application temperature (°C)	+5 to 30	--
6	Service temperature (°C)	+5 to 35	--

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEatc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI BONDx 500

صناعة
سعودية
MADE IN KSA



SI BONDMAX is a one component synthetic rubber bonding agent in addition to cement mortars, is characterized with high bonding strength, water and chemical resistance.

Mortars and Renders :

SI BONDMAX is a high quality bonding agent that increases the properties of mortars in the application such as prime concrete surface, thin layer patching mortar, renders, floor screeds, concrete repair mortars, Tile fixing mortars etc.

Product Information :

Packaging : Available in 5 ltr & 20 Ltr.

Self life : 12 months from date of production.

Application Method :

The entire surface must be clean, sound and free from dust and rust. Remove all laitance, oil and grease, and all the loose particles. The surface must be prepared by mechanically scrubbing, brushing, or blasting which will give clean exposed concrete surface. Make sure all the surface must be cured by tap water till it reaches to saturated surface into dry conditions. However surface must be free from water.

Advantages :

- ☑ Easily to use.
- ☑ Excellent bonding strength.
- ☑ Excellent adhesion and resist salt and chemical attack.
- ☑ Reduces shrinkage.
- ☑ Reduces water absorptions.
- ☑ Long lasting.
- ☑ Non toxic.
- ☑ Increase mortar wear resistance.
- ☑ Improve abrasion and chemical resistant.

Mixing :

Selection of materials :

Cement- cement must be ordinary Portland cement.
Sand- should be washed and well grade.
Aggregate- should be granite chips with the size of 3-6mm.

Ratio of SI BONDMAX :

10 Liter / 50 KG of cement.
Standard mortar (sand:cement) 3:1

Slurry bond :

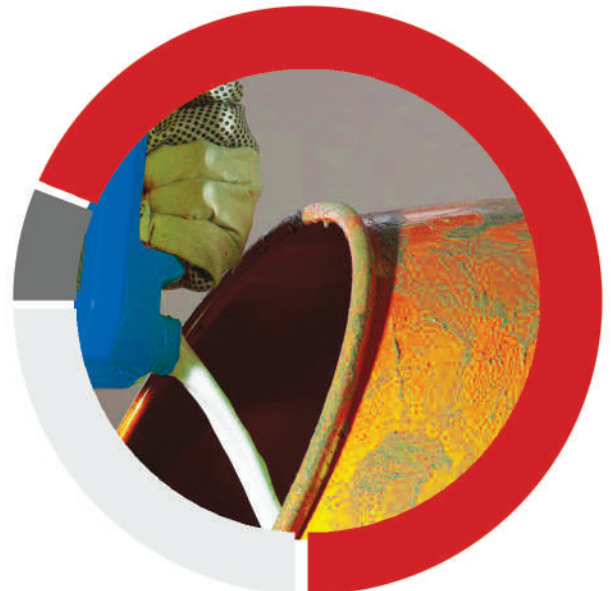
- ☑ The surface should be thoroughly soaked with clean water let it dry.
- ☑ A slurry bond should be prepared consisting of 1 volume SI BONDMAX bond to 1 volume Clean Water to 3 volumes OPC Cement.

Dosage : slurry- By volume SI BONDMAX: Water: Cement 1: 1: 3

Dosage Table :

ITEM	SLURRY BOND By Volume %	Render
OPC Cement	3	50
Clean Sand		150
Aggregate 3-6mm	-	-
IZOBOND SBR	1	5-10Ltr
WATER	1	5-10Ltr

SI BONDMAX 700



Use :

Mixer should be concrete mixer with pan type to be used. Pour the required quantity of sand, cement and aggregate and dry bland to gather for (3-5) minutes to archive uniform consistency and add required quantity of premix Izbond as we recommended.

Add water slowly until the required homogenous consistency is achieved with the required workability.

Poured the screed based on Izbond modified mix placed over the applied wet bond slurry compact and level with screed bar and finish with steel float.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done. The cured materials have excellent adhesion and are therefore difficult to remove. The hardened materials should be cleaned mechanically.

Storage & shelf life :

SI BOND 500 has 12 month in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, direct in the sun or humid area.

Health and safety :

Toxicity : Nontoxic and odorless.

Flammability :

Nonflammable

Inhalation :

During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and / or oxygen if necessary and get medical attention.

Skin contact :

Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap.

Eye contact :

In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately- Do not vomiting.

Safety :

wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

TECHNICAL DATA

S.no	Name of test	Result	Test method
1	Color and appearance	White milky liquid	--
2	Polymer	Styrene Butadiene Rubber	--
3	Density kg/Ltr.	1.0±0.05	ASTM 1475
4	Polymer Content , (%)	20 - 30 %	--
5	Application temperature (°C)	+5 to 30	--
6	Service temperature (°C)	+5 to 35	--

NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEatc STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI BONDMAX 700

صناعة
سعودية
MADE IN KSA



General Description:

SI HYDRO SEALANT

is one component water base universal joint sealant based on acrylic dispersion. Due to its unique composition resists cracking and it provide flexible and smooth finish that is suitable for interior and exterior use.

Use :

SI HYDRO SEALANT is a ideal for frame works e.g. window and door frame and wall, crack filling, expansion joint, ceiling works, PVC pipe sealer, joint between concrete and brickwork, can be use all the porous surfaces such as concrete, brick, and wood etc

Application Method :

The entire surface must be clean, sound and free from dust and rust. Remove all laitance, oil and grease, and all the loose particles.

The surface must be prepared by mechanically scrubbing, brushing, or blasting which will gives clean exposed surface.

Joint dimensions, Width = Depth, Width for joints (520-mm) maximum For highly porous surfaces should be primed with diluted Hydro Sealant (1 part Hydro Sealant

+2 part water). Poured Hydro Sealant to the prepared substrate manually or with the pneumatic caulking gun and excess sealer should be removed and finishing should be done by spatula or filling knife.

Cleaning :

All the tools must be clean immediately with the tap water before and after work has been done.

Storage and Shelf Life :

SI HYDRO SEALANT has 24 months in original closed packaging from date of production. In dry, cool and ventilated area. Keep away from all the resources of heat, exposed in sun or humid area.

Advantages :

- Ø Easily to use.
- Ø Excellent bonding strength.
- Ø Excellent adhesion without priming.
- Ø Resist cracking and shrinkage.
- Ø Over paintable.
- Ø Long lasting.
- Ø Non toxic.
- Ø Very low VOC content.
- Ø Non corrosive towards metals.

Health and Safety :

Toxicity : Nontoxic and odorless.

Flammability: Nonflammable

Inhalation : During use avoid inhalation of dust if occur remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention

Skin contact -Avoid contact with skin and eyes. In case of contact with eyes and skin wash immediately with tap water and soap. Eye contact- In case of eye contact, rinse thoroughly with clean water but do not rub. If swallowed, seek medical attention immediately- Do not vomiting. Safety - wear suitable protective clothing, gloves, safety shoe, eye protection and respiratory protective equipment.

SI HYDRO SEALANT



SR	PROPERTIES	RESULT	TEST METHOD
1	Appearances	High viscous paste form	--
2	Color	White / Gray (other by req.)	
3	Chemical Base	Acrylic Dispersion	
4	Density g/cc	1.5 0.05	ASTM D 1475 - 16
5	PH	7.5 - 8.5	ASTM D 6903 - 07
6	Solid content %	85	
7	Application temperatu C	(5+ C to 40 C)	
8	Service temperature C	(20- C to 90 C)	
9	Open time @ 23 C & 50 % RH	5:10 min	
10	Skin formation @ 23 C & 50 % RH	10 min	
11	Curing time @ 23 C & 50 % RH	24 hrs (thin bad approx) 4 : 7 days (Thick bed)	
12	Flow @ 23 + 2 C mm	<2	ISO 7390
13	Shore A hardness	15:20	DIN 53505
14	Tensile strength N/mm2	0.2-0.3	DIN 53504
15	Elongation, at break %	> 200 %	DIN 53504
16	Modulus at 100 % N/mm2	> 0.2	DIN 53504
17	Joint movement %	< 10 %	
18	Elastic recovery %	60	ISO 7489
19	Self life @ 25 C & 50 % RH	18 months (sealed packed)	

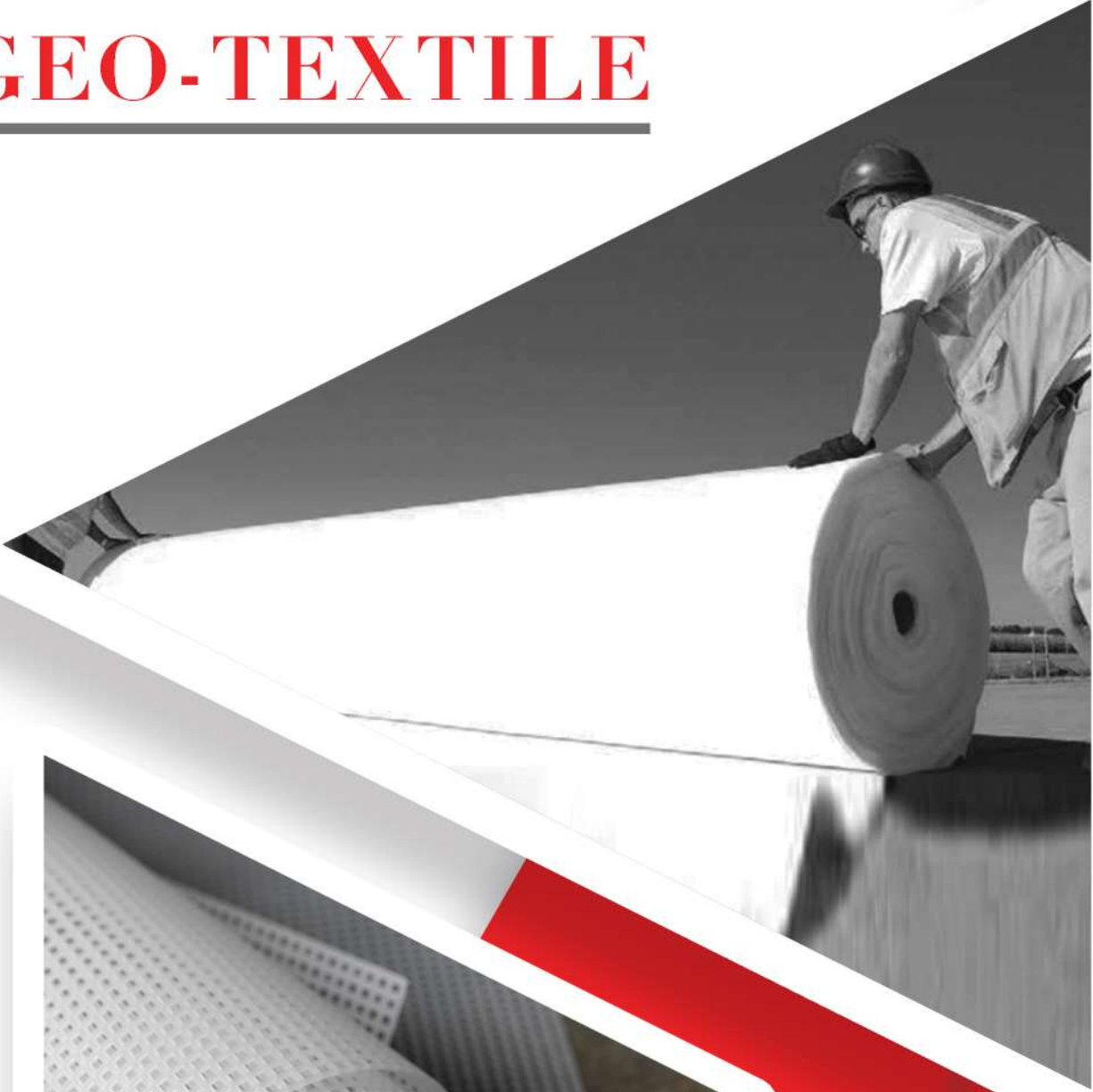
NOTE : THE ABOVE SHOWN TECHNICAL DATA ARE RESULTS OBTAINED IN LABORATORY AND EXTRA DETAILS CAN BE PROVIDED UPON REQUEST. IN ACCORDANCE TO ASTM AND UEA^{tc} STANDARDS RESULTS ARE SUBJECTED TO A VARIATION OF 20 % .

SI HYDRO SEALANT

صناعة
سعودية
MADE IN KSA



GEO-TEXTILE



GEO-TEXTILE

شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

Introduction :

SI GEO - FELT is a nonwoven high performance geo - textiles are strong geo - synthetic fabric made of polyester using needle punching technology. used incivil construction projects such as roads or damp building that stabilizes loose soil and prevents erosion . It has high elongation and UV resistabce due to its 100 % fibers used virgin white polyester .

Function :

- 1 . Separation :** The use of **SI GEO - FELT** to prevent the intermixing of dissimilar materials so that the functioning of both materials can remain intact .
- 2 . Filtration :** By permitting water flow while preventing the uncontrolled passage of soil particles .
- 3 . Reinforcement :** **SI GEO - FELT** resists stresses or deformation of structures due to its tensile properties .
- 4 . Sealing :** When impregnated with asphalt to act as a moisture barrier .
- 5 . Stress Absorption :** In pavement overlay when impregnated with asphalt .
- 6 . Protection :** **SI GEO - FELT** has stress reduction properties to prevent damage of adjacent surface or layer .

Storage :

When stored dry , and kept from freezing : Original closed packaging or container , in dry or covered place storage under moderated temperature above 50C below 300C protects from sunlight and frost .

Use :

SI GEO - FELT are used in Road and Railway soil stabilization Asphalt pavement , Water foofing , Pipeline protection , Riverbank and Shore Protection Sub - surface drainage system , Waterproofing membrane protection , Landfill , Landscaping etc .

Health and Safety :

Toxicity - nontoxic and odorless

Flammability : It is a PET short fiber non - woven polyester mat - nonflammable .

Skin contact : Avoid contact with skin and eyes .

In case of contact with eyes and skin wash properly with tap water and soap .

Eye contact : In case of eye contact , rinse thoroughly with clean water but do not rub . If irritation continues consult with a doctor .

SI GEO - FELT

صناعة
سعودية
MADE IN KSA



PROPERTIES		TEST METHOD	UNIT	STANDARD VALUE	TOLERANCES
Weight		ISO9073-1	g/m	100	+10%
Thinness		ISO9073-2	mm	0.9	+10%
Tensite	MD	ISO13934-1	KN/m	2.5	+10%
	CD		KN/m	2.5	+10%
Elongation	MD	ISO13934-1	%	40	+10%
	CD		%	40	+10%
Tear Strength	ND	ISO9073-4	N	100	+10%
	CD		N	100	+10%
CBR Puncture Strength		ISO12236	KN	0.3	+10%
Determination of permeability		ISO11058	cm/S	8.0	+10%
Weight		ISO9073-1	g/m	120	+10%
Thinness		ISO9073-2	mm	1.0	+10%
Tensite	MD	ISO13934-1	KN/m	3.0	+10%
	CD		KN/m	3.0	+10%
Elongation	MD	ISO13934-1	%	40	+10%
	CD		%	40	+10%
Tear Strength	ND	ISO9073-4	N	120	+10%
	CD		N	120	+10%
CBR Puncture Strength		ISO12236	KN	0.4	+10%
Determination of permeability		ISO11058	cm/S	7.0	+10%
Weight		EN ISO9864	g/m	140	+10%
Thinness		EN ISO9863-1	mm	1.2	+10%
Tensite	MD	EN ISO10319	KN/m	4.0	+10%
	CD		KN/m	4.0	+10%
Elongation	MD	EN ISO10319	%	40	+10%
	CD		%	40	+10%
CBR Puncture Strength		EN ISO12236	KN	0.5	+10%
Determination of permeability		ISO11058	10 ms	8.5	+10%
Weight		EN ISO9864	g/m	180	+10%
Thinness		EN ISO9863-1	mm	1.5	+10%
Tensite	MD	EN ISO10319	KN/m	5.5	+10%
	CD		KN/m	5.5	+10%
Elongation	MD	EN ISO10319	%	50	+10%
	CD		%	50	+10%
CBR Puncture Strength		EN ISO12236	KN	0.8	+10%
Determination of permeability		ISO11058	10 ms	65	+10%
Weight		EN ISO9864	g/m	200	+10%
Thinness		EN ISO9863-1	mm	1.7	+10%
Tensite	MD	EN ISO10319	KN/m	6.5	+10%
	CD		KN/m	6.5	+10%
Elongation	MD	EN ISO10319	%	50	+10%
	CD		%	50	+10%
CBR Puncture Strength		ISO9073-4			+10%
Determination of permeability		EN ISO12236	KN	0.9	+10%
Determination of permeability		ISO11058	10 ms	55	+10%

Needle - punched 100 g
pet short fiber non - moven

Needle - punched 120 g
pet short fiber non - moven

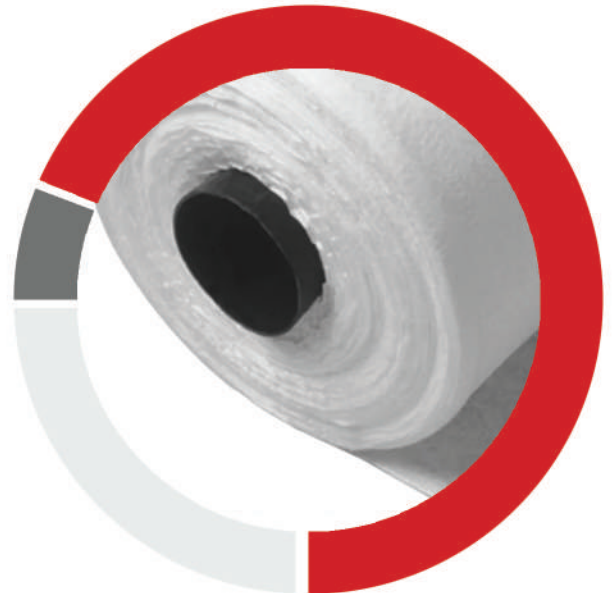
Needle - punched 140 g
pet short fiber non - moven

Needle - punched 180 g
pet short fiber non - moven

Needle - punched 200 g
pet short fiber non - moven

SI GEO - FELT

صناعة
سعودية
MADE IN KSA



APPROVALS & CERTIFICATES



APPROVALS & CERTIFICATES

شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

شهادة تسجيل الشركة
Company Registration Certificate

وزارة التجارة
Ministry of Commerce

الرقم الموحد: ٢٠٥١٤٦٠٤
رقم المنشأة: ١٤٤٣/٩/٢
التاريخ: ١٤٤٣/٩/٢

الاسم التجاري للشركة: شركة مصنع الحوازل السعودية المحدودة
نوعها: ذات مسؤولية محدودة

مدة الشركة: ١٦٨٣، المدينة الصناعية الثالثة، ٣٣٣٩
مقرها الرئيسي: جدة من: ١٤٤٥/٥/١٤
وتنتهي في: مسعودي

هاتف: ٣٤٤٤٨
البريد الإلكتروني: ص ب

النشاط: للإطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري
رأس المال: ٢٠٠٠٠٠٠٠٠٠٠٠ ريال سعودي
المدينون: ١ محمد حمود محمد الحمود
٢ محمد وليد كمال العمري

سلطات المديرين: حسب ما تمّ عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة: الدمام بأنه تم تسجيل الشركة المذكورة أعلاه بمدينة: الدمام
وتنتهي صلاحية الشهادة في: ١٤٤٩/٩/٢ بموجب الإصدار رقم: ٨٢٤٠١٥ وتاريخ: ١٤٤٦/٣/٥

موقع التحقق من صحة الشهادة: www.moc.gov.sa | موبايل: 110 4444 | فاكس: 110 4444

شهادة
Certificate

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

المملكة العربية السعودية
Kingdom of Saudi Arabia

رقم المقيم: ٢٠٥١٤٦٠٤
رقم الشهادة: ١٤٤٣/٩/٢
التاريخ: ١٤٤٣/٩/٢

الشركة المسجلة بالضريبة والجمارك
والمقرات في المملكة

شركة مصنع الحوازل السعودية المحدودة شركة شخص واحد

الرقم الموحد للمنشأة / رقم موحدة: ٢٠٥١٤٦٠٤

سجل تجاري / رخصة / عقد رقم: ٢٠٥١٤٦٠٤

قدّم إقراره عن الفترة الضريبة في ٢٠٢٤ / ٠٩ / ٢٥ هـ، وقد منح هذه الشهادة لتمامه جميع معاملات له بما في ذلك صرف مستحقاته المالية من المودع. يرجى الحصول على هذه الشهادة حتى تاريخ ١٤٤٦ / ٠٩ / ٢٥ هـ الموافق ٢٠٢٤ / ٠٩ / ٢٥ م (التأخير من ربح ألف و أربعمائة و ستة و أربعون ريالاً).

The taxpayer has submitted his tax return for the period ending on 30/09/2023 AD, and he was granted the certificate to complete all his transactions including the payment of the final amount due on the counter. The Certificate is valid until 30/09/2025 AD corresponding to 30/09/2025 AD. (The Month of Rajab one thousand four hundred forty-six Hijri)

فيعدّ هذا الشهادة إذ يتم التحقق من مواقع الهيئة الإلكترونية: www.zatca.gov.sa
This certificate is not valid until verified by the Authority's Website: www.zatca.gov.sa

موقع التحقق من صحة الشهادة من مواقع الهيئة الإلكترونية: www.zatca.gov.sa
رقم موبايل: 19993 | فاكس: 19993 | @zatca_sa

شهادة تسجيل في ضريبة القيمة المضافة
VAT Registration Certificate

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

المملكة العربية السعودية
Kingdom of Saudi Arabia

رقم المقيم: ٢٠٥١٤٦٠٤
رقم الشهادة: ١٤٤٣/٩/٢
التاريخ: ١٤٤٣/٩/٢

شهادة هيئة الزكاة والضريبة والجمارك بأن المالك أدناه مسجل في ضريبة القيمة المضافة بتاريخ 2022/10/31 م
The Zakat, Tax and Customs Authority certifies that the taxpayer below is VAT registered on 01/09/2022 AD

اسم المالك	شركة مصنع الحوازل السعودية
رقم التسجيل الضريبي	311264791400003
التاريخ الفاعل	2024/10/01
عنوان المالك	7927 3 14261-2938 2 : 62461
رقم العميل التجاري / الرخصة	2050156004
الفترة الضريبة	شهرية / Monthly
التاريخ المستحق أول أمر ضريبي	2022/10/31

ملاحظة: يجب على الممولين في ضريبة القيمة المضافة أن يوزعوا كارت تسجيل ضريبة القيمة المضافة مع مستخدم كل منتج قبل البيع أو التسليم في الضريبة، وفي حال تبين عدم صحة بطاقة الضريبة والضريبة والجمارك تخضع المبيعات المسجلة

Note: As a VAT registered taxpayer, you are not allowed to collect VAT from your customers prior to the effective date of the tax registration, if otherwise approved. The ZAKAT, Tax and Customs Authority will impose the applicable penalties.

موقع التحقق من صحة الشهادة من مواقع الهيئة الإلكترونية: www.zatca.gov.sa
رقم موبايل: 19993 | فاكس: 19993 | @zatca_sa

شهادة

اسم المنشأة	شركة مصنع السعودية للعوازل المحدودة
اسم صاحب العمل	631862845
رقم الأسترات	٦٣١٨٦٣٨٤٥
العنوان	الدهام السعودية 34848
رقم السجل التجاري	٣٠٥٠١٥٦٦٠٤

عدد المشتركين السعوديين	عدد المشتركين غير السعوديين	المجموع	رقمها
16	37	53	كاتبه
ستة عشر مشتركاً	سبعة و ثلاثون مشتركاً	ثلاثة وخمسون مشتركاً	

تشهد المؤسسة العامة للتأمينات الاجتماعية بأن المنشأة المذكورة أعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ اصدار هذه الشهادة، والتي تم منحها لتفديمه لأية جهة تطلبها، وهي صالحة لجميع الأغراض التي نص عليها نظام التأمينات الاجتماعية في المادة (١٩/٦) منه.

هذه الشهادة سارية المفعول حتى 1446/06/24 هـ.

عام Public

الشهادة معتمدة من صاحب الصلاحية ولا تحتاج لتوقيع أو ختم



تحقق من صحة وصلاحية الشهادة عبر زيارة الرابط أدناه في الموقع الإلكتروني للمؤسسة العامة للتأمينات الاجتماعية أو عن طريق استخدام الرمز المرفق التالي
بعد هذه الشهادة من الأرشيف الإلكتروني الرسمية الرسمية ويمكن طلبها من خلال أي من القنوات المذكورة في المرفق أو عن طريق الاتصال بالرقم 800 124 8144
وهي سارية المفعول حتى تاريخ اصدارها من تاريخ اصدارها ولا تحتاج لتوقيع أو ختم
أو الاتصال بالرقم 800 124 8144 أو الاتصال بالرقم 800 124 8144 أو الاتصال بالرقم 800 124 8144

3791 من الأوقات: 8008 - 12422
Kingdom of Saudi Arabia, Riyadh 12422 - 8108 At Wizarat 3791

800 124 8144
gosi.gov.sa



شهادة التوطين

رقم الشهادة	175078-19249286
تاريخ الإصدار	23/04/2024
تاريخ انتهاء الصلاحية	24/02/2025
تاريخ التجديد/التحديث	26/11/2024
حالة الشهادة	تم التحقق
اسم المنشأة	شركة مصنع السعودية للعوازل المحدودة
رقم المنشأة	4-1998742
رقم السجل التجاري	2050156604
الرقم الوطني الموحد	7028527153
مستوى نطاقات	أخضر متوسط
معدل التوطين	% 29



The Ministry of Human Resources and Social Development certifies that the above mentioned Establishment has achieved the required localization rate, and has been granted this certificate upon request.

تفصح وزارة الموارد البشرية والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه قد حققت نسبة التوطين المطلوبة وتم منحها هذه الشهادة بناءً على الطلب.

The certificate is electronically generated and approved by the authority, it does not require any signature or stamp.

الشهادة تم إنشاؤها إلكترونياً ومصدقها من السلطة المختصة ولا تحتاج إلى توقيع أو ختم.



TEST REPORT

Trade Mark	S-insulation	ASTM D-41
Product Name	PRIMER D-41	
Product Description	Cold applied fast curing primer blanding with selective grade of bitumen with the fast curing solvent.	
Physical Specifications	Standard	Result
Appearance	BLACK	black
Flash point (°C)	ASTM D 92	45
Density, Kg/Ltr at 25°C	ASTM D 79	0.85
Saybolt Viscosity at 25°C	ASTM D 88	117sec.
Bitumen content %	ASTM D 4	≥44%
Volatile organic content (VOC) %	ASTM D 3690/D 2369	≥55%
Distillation: Distillate, vol % Up to 225°C	ASTM D 402	35
		Up to 360°C
Tests on residue from distillation: Penetration at 25°C, 0.1 mm	ASTM D 5	40
Coverage @25°C, Ltr/m ²		approx. (0.2-0.3)g/m ² ltr
Drying time@25°C	water test	2hr (hand touch)
solubility in trichloroethylene % water, volume %	ASTM D 2042 ASTM D 95	99.6 0.1
The above shown technical data are results obtained in laboratory and extra details can be provided upon request. In accordance to ASTM and UAE standards results are subjected to a variation of ±20%		

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TEST REPORT

Trade Mark	S-insulation	ASTM D-41
Product Name	PRIMER D-41	
Product Description	Cold applied fast curing primer blanding with selective grade of bitumen with the fast curing solvent.	
Physical Specifications	Standard	Result
Appearance	BLACK	black
Flash point (°C)	ASTM D 92	45
Density, Kg/Ltr at 25°C	ASTM D 79	0.85
Saybolt Viscosity at 25°C	ASTM D 88	117sec.
Bitumen content %	ASTM D 4	≥44%
Volatile organic content (VOC) %	ASTM D 3690/D 2369	≥55%
Distillation: Distillate, vol % Up to 225°C	ASTM D 402	35
		Up to 360°C
Tests on residue from distillation: Penetration at 25°C, 0.1 mm	ASTM D 5	40
Coverage @25°C, Ltr/m ²		approx. (0.2-0.3)g/m ² ltr
Drying time@25°C	water test	2hr (hand touch)
solubility in trichloroethylene % water, volume %	ASTM D 2042 ASTM D 95	99.6 0.1
The above shown technical data are results obtained in laboratory and extra details can be provided upon request. In accordance to ASTM and UAE standards results are subjected to a variation of ±20%		

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TEST REPORT

Trade Mark	S-insulation	GRADE-S	TYPE-1	ASTM D-6222
Product Name	FLAME SHIELD			
Product Description	4mm, APP Modified bitumen membrane, reinforced with the carriers (non woven polyester)			
Physical Specifications	Standard	Result		
Reinforcement(Carrier)	POLYESTER (P) FIBREGLASS (F) POLYESTER/POLYESTER (PF)	P		
Upper Surface Coating	MINERAL SAND/INSULATED (M)	PE		
Lower Surface Coating	POLYESTER/LENDFE MINERAL STONE/SAND/DI	PE		
Thickness	ASTM D 5147	4.0 MM		
Length	ASTM D 5147	10.0 M		
Width	ASTM D 5147	1.0M		
Reinforcement Gsm/m ²	ASTM D 5147	(200) GSM		
Softening Point	ASTM D 36	150°C		
Heat Resistance	ASTM D 5147	120°C		
Cold Flexibility	ASTM D 5147	-3°C		
Penetration (@25°C)	ASTM D 5	15-20 dmm		
Puncher resistance Static/Dynamic	ASTM E 154 UEA6.5.13 UEA6.4.1	900-1000 L4 / 14		
Tensile Strength Longitudinal / Transversal	ASTM D 5147	800-800 / 600-750		
(%) Elongation Longitudinal / Transversal	ASTM D 5147	45-50 / 50-55		
Lap Joint Strength Longitudinal / Transversal	ASTM D 5147	800-900 / 600-750		
Tear Resistans Longitudinal / Transversal	ASTM D 5147	500-600 / 400-500		
Water vapour transmission	ASTM E 96	0.20 Gsm/m ² 24hrs		
Water tightness @4Bar	ASTM D 5355	Impermeable		
Water absorption @25°C, 24hrs	ASTM D 5147	0.40%		
The above shown technical data are results obtained in laboratory and extra details can be provided upon request. In accordance to ASTM and UEA6 standards results are subjected to a variation of ±20%				

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ROSHN		JAR International Engineering Consultancy	نسما للمياه والطاقة Nesma Water & Energy
PREQUALIFICATION APPROVAL REQUEST			
Project:	Design & Build of the Potable Water Pumping Station and Elevated Storage Water Tank for Al Hofuf Site.	Ref No.:	00501-NIW-POL-CIV-000003
Client:	ROSHN	Rev. No.:	00
Engineer:	JAR International Engineering Consultancy	Submittal:	Civil
Contractor:	NEESMA International Water & Energy Technology Co. L.T.O.	Date:	27-04-2024
Purpose/Use:		For Approval	
PREQUALIFICATION DESCRIPTION			
Description:	Al-Saudia Insulation (Waterproofing)	Company Name:	Al-Saudia Insulation
Project Name:	Design & Build of the Potable Water Pumping Station and Elevated Storage Water Tank for Al Hofuf Site.	Contract Ref.:	00500-NIW01-CON-CS-0767
Attachments:	<input checked="" type="checkbox"/> GOS Zakat <input checked="" type="checkbox"/> Saudization Certificate <input checked="" type="checkbox"/> Ministry of Industry Chamber of Commerce <input checked="" type="checkbox"/> SASO <input type="checkbox"/> Specified Lab Tests Certificate <input type="checkbox"/> Technical Catalog <input type="checkbox"/> Other Certificates (ISO, ...etc.) <input type="checkbox"/> Certificate of Original <input type="checkbox"/> Warranty Certificate		
MANUFACTURER DETAILS		SUPPLIER DETAILS	
Company Name:	Al-Saudia Insulation	Company Name:	Al-Saudia Insulation
Address:	KSA	Address:	KSA
Discipline/Trade:	Civil	Specification:	Refer To Attachment
Project Name:	Building	BOG Ref. No.:	
For the Contractor:	Name: Eng. Mohamed Refaat	Signature:	Date: 27-04-2024
ENGINEER REVIEW			
Remarks:			
Name:	Signature:	Date:	
Status Code:	<input type="checkbox"/> Approved (A) <input checked="" type="checkbox"/> Approved with Comments (B) <input type="checkbox"/> Review & Resubmit (C) <input type="checkbox"/> Rejected (D)		
PM (CORE TEAM) REVIEW			
Name:	Signature:	Date:	
CM Comments:	CLIENT'S APPROVAL (If Required) <input type="checkbox"/> Yes <input type="checkbox"/> No		
Remarks:	Remarks:		
Name:	Signature:	Date:	
Name:	Signature:	Date:	

ZAWQ ALBENAA CO. شركة ذوق البناة

MATERIAL SUBMITTAL FORM

Project Name: Tale Al Seef	Project Contractor: DARWA FMAAR
Document Reference No: V-TALA-STR-MS-04	Project Consultant: ZAWQ ALBENAA

Submission Date: 14/05/2024
Supplier Name: SAUDI INSULATION

To: Consultant Project Manager
Engr. ISLAM FARRAG

From: Contractor Project Manager
Eng. Mutasem Obaid

Subject: SUBMITTAL FOR bitumen membrane roll Protection Board

DISCIPLINE:

Civil
 Architectural
 Mechanical
 Electrical
 Information Tech.
 Drawings
 Instrumentation
 Safety
 Others: Preservation Report

ACTION REQUIRED:

For Approval
 For Reference
 For Record
 For Review/Comments
 For Instruction
 For Information
 Revise & Resubmit
 For Implementation
 Others (Specify)

ACTION TAKEN / DOCUMENTS / DRAWINGS ARE:

Approved
 Approved with comments
 Resubmit
 Not approved
 Information

RECEIVED BY: [Signature]

COMMENTS:

For supplier approved, but need thickness of membrane and protection board will use in site & and need sample for each

Reviewed by: [Signature]

BANI QYEM ID BANI MSC MATERIAL SUBMITTAL

Form MS-1

Project No: 2024-05-09
Request No: MS-C-25

Project Name: [Blank]
Building Name: [Blank]

Type of work / نوع الأعمال: Civil

Contractor / المقاول: [Blank]

Project Manager: [Signature]

Contractor: [Signature]

Date: 2024-05-09

Review Result / نتيجة التقييم:

Approved / معتمد (A)
Not Approved / غير معتمد (B)
Resubmit / إعادة تقديم (C)
Reject / رفض (D)

Notes / ملاحظات:

التمديد مع اعتماد على اذونات من جهة معتمدة على الموقع
1- تم تقديم خطة عمل جاهزة للتوريد والتثبيت مع تحديد الابعاد وكمية المواد المطلوبة
2- تم تقديم اذونات من جهة معتمدة على الموقع مع تحديد الابعاد وكمية المواد المطلوبة
3- تم تقديم خطة عمل جاهزة للتوريد والتثبيت مع تحديد الابعاد وكمية المواد المطلوبة
4- تم تقديم خطة عمل جاهزة للتوريد والتثبيت مع تحديد الابعاد وكمية المواد المطلوبة
5- تم تقديم خطة عمل جاهزة للتوريد والتثبيت مع تحديد الابعاد وكمية المواد المطلوبة

Project Management / إدارة المشروع:

Project Manager: [Signature]

Contractor: [Signature]

Jafurah Seawater Desalination Project

Request For Inspection and Testing

Inspection / Test: [Blank]
Date: 29-August-2024
JFD-MR-SEP-FWD-0046
Rev: 00

Details of Inspection / Test

Type of Work: Civil
 Architectural
 Structural
 Marine
 Mechanical
 Piping/Pipeline
 Safety
 Welding
 HVAC
 Instrument
 Telecommunication
 Plumbing
 Others

Location: SWRO Desalination Water Plant Warehouse

Building Name: RO Building no-18

MA# References: JFD-T-SEP-FWD-1313
Rev: 00/Code-B

ITP No: SEP-JFD-QC-ITP-0002/JFD-T-SEP-FWD-0920
Rev: 00/Code-B

Description of Works to be Inspected/Tested

Material Receiving Inspection For Torch Applied Waterproofing Membrane and Concrete Primer.
1- SI FLAME SHIELD 20 - 30 ROLLS
2- SI PRIMER 18/LICAN 20 CANS.

Coordination of Trades

Construction in charge: [Signature]
Date: 29-8-24
Electrical Inspection: [Signature]
Date: [Blank]

Survey Discipline: [Signature]
Date: [Blank]
Mechanical & Plumbing: [Signature]
Date: [Blank]

Confirmation of completion of this work

Contractor's Signature: [Signature]
Received by: [Signature]
Date: 29/8/2024

QA/QC Engineer: [Signature]
Date: 29/8/2024

Owner's Comments

- checked after installed,
- final approval is subject to the comments close & CRC and approval

Returned to the Contractor with Inspection Status as:

A - Approved
 B - Approved as noted
 C - Revised/Resubmit

Owner: [Signature]
Name: Noufal
Signature: [Signature]
Date: 29-8-2024

Contractor: [Signature]
Name: Noufal
Signature: [Signature]
Date: 29-8-2024

BANI QYEM ID BANI MSC MATERIAL SUBMITTAL

Form MS-1

Project No: 2024-05-09
Request No: MS-C-25

Project Name: [Blank]
Building Name: [Blank]

Type of work / نوع الأعمال: Civil

Contractor / المقاول: [Blank]

Project Manager: [Signature]

Contractor: [Signature]

Date: 2024-05-09

Review Result / نتيجة التقييم:

Approved / معتمد (A)
Not Approved / غير معتمد (B)
Resubmit / إعادة تقديم (C)
Reject / رفض (D)

Notes / ملاحظات:

لا مانع من اتمام اذونات و العمل بالمواد المعتمدة في الموقع
المعتمد و معتمد من جهة معتمدة على الموقع و معتمد من جهة معتمدة على الموقع

Project Management / إدارة المشروع:

Project Manager: [Signature]

Contractor: [Signature]

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شركة مصنع السعودية للعوازل المحدودة
SAUDI INSULATION FACTORY LLC

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