

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

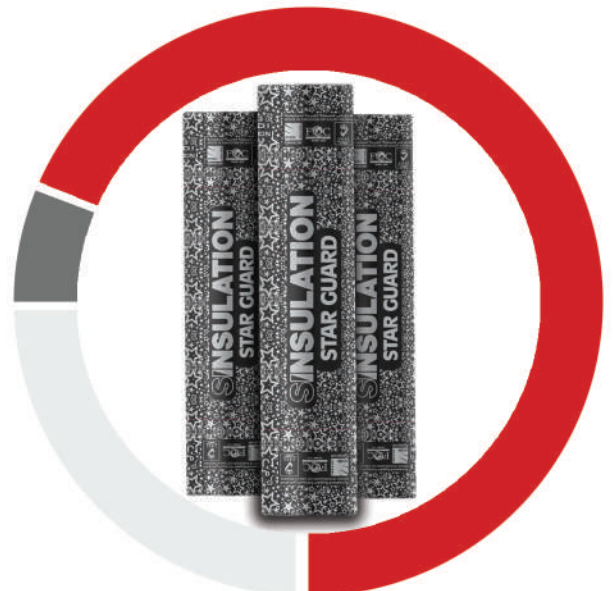


SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	100	ASTM D36
2	Penetration	dmm	15 - 20	ASTM D 5
3	Cold Flexibility	°C	+5 to 0	ASTM D 5147
4	Tensile strength @23 + 2 °C			
	Longitudinal	N/5 cm	450	ASTM D 5147
	Transversal		300	
5	Elongation @23 + 2 °C	%		ASTM D 5147
	Longitudinal		10	
	Transversal		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 % .

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صناعة
سعودية
MADE IN KSA



SI INSULATION