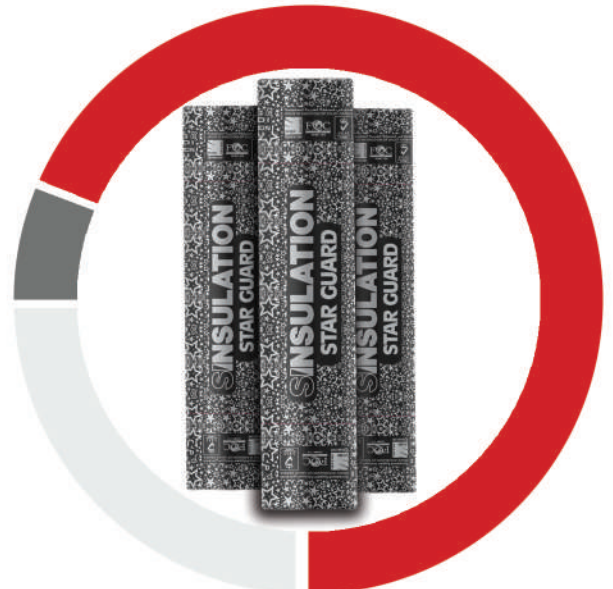


SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	150	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2°C			
	Longitudinal	N/5 cm	600	ASTM D 5147
	Transversal		450	
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 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 bitumens and extenders that is provide excellent product stability, quick melt is to use almost all kind of waterproofing applications & protection against damps.

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 damping.
- 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.

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