

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 attactic 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

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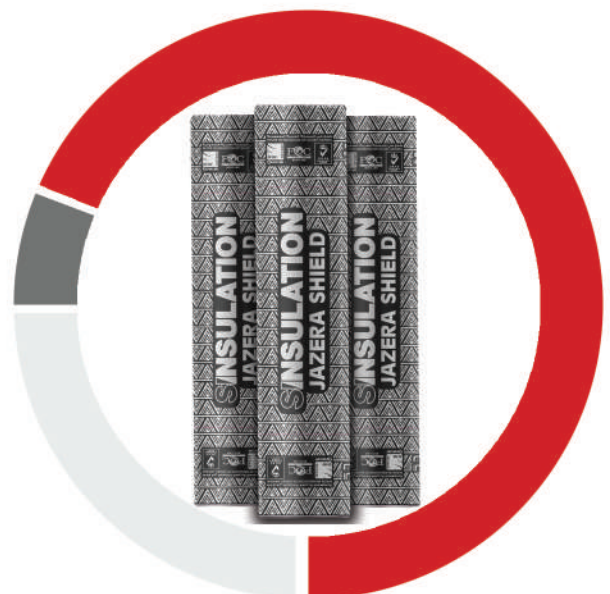
SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	155	ASTM D36
2	Penetration	dmm	15-20	ASTM D 5
3	Cold Flexibility	°C	-2 to -5	ASTM D 5147
4	Heat Resistance (@120°C for 2h : 15 min)	Pass	No flow	ASTM D 5147
5	Tensile strength @23 + 2°C			
	Longitudinal	N/5 cm	600	ASTM D 5147
	Transversal		450	
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 % .

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SI INSULATION