

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 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.

#### 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 SIFC laboratory, our product is tested by independent internal laboratories.

**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.

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