BITUMINOUS SELF-ADHESIVE REINFORCED MEMBRANES (IZOSELF - POLYESTER)

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Softening point	°C	110	ASTM D 36
2	Penetration	dmm	70	ASTM D 5
3	Cold Flexibility	°C	-15 to -20	ASTM D 5147
4	Reinforcement		120 - 130 gm/m2	
			polyester	
5	Tensile strength @23 + 2 °C			
	Longitudinal	N/5 cm	700	ASTM D 412
	Transversal		500	
6	Elongation @23 + 2 °C	%	> 2000	ASTM D 412
7	Lap joint Strength	N/5 cm		UEAtc
	Longitudinal		700	
	Transversal		500	
8	Tear Strength	KN/M		ASTM D 624
	Longitudinal		44.44	
	Transversal		50.00	
9	Puncture Resistance	N	500	ASTM E 154
10	Resistance to accelerated aging (weather- O-meter)		Pass	ASTM G 53
	2000 hrs (equals 10 years exposure to elements)			
11	Water Absorption (@ 23 °C for hrs)	%	< 0.08	ASTM D 5147
12	Water Vapour Transmission,	g/m2/24hrs	<0.2	ASTM E 96
13	Adhesion Strength ,	N/mm		ASTM D 1000
	To primed			
	To self N/mm			
			3.2	
			3.2	
14	Impermeability of welded seams to water pressure	-	Absolutely Impermeable	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 % .

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IZOSELF POLYESTER

صنع في السعودية

MADE IN KSA

izomaks
ايزوماكس

IZOSELF polyester is a tough preformed waterproofing membrane comprising a strong cross laminated , internally reinforced with fiberglass mat with superior mechanical properties and a thick elastic self adhesive SBS bitumen compound ,it also incorporates a quick release film to ensure clean adhesion .

Product features:

- fast cold application on a primer substrate
- peel & stick self adhesive waterproofing systems
- unaffected by corrosive salts and dilute acids found in ground water
- Good puncture resistance and tensile strength
- Excellent dimensional stability.
- Tough cross-laminated film on the surface for better protection.
- Thickness : it comes in various thickness from 1.5mm to 4mm

Uses:

- Waterproofing under tiles wet area, such as kitchen, bathroom, balconies etc.
- Substructure waterproofing to areas subject to stress and movement.
- Tanking water reservoirs and other liquid retaining , or liquid excluding , structures
- Suitable also for roof waterproofing
- Waterproofing of sewerage concrete manholes, chambers etc.

Application method :

Surface preparation: concert shall be in place for seven days (minimum) after forms are removed and must be dry . care should be taken that surface to be waterproofed are completely clean, totally dry , smooth, level and free from loose material. Any sharp protrusions such as nails, tying wire , etc . Must be removed and cracks, holes, spilled and damaged surfaces filled and repaired. All external corners must be chamfered

Priming : All vertical and horizontal surface must be coated with izomaks primer applied with a brush or rolled at

The rate of 200-300 gr/m2 depending on the porosity of the surface, and allowed to dry completely.

Membrane application:

IZOSELF polyester membrane are applied by positioning the roll over the area to be waterproofed and peeling the siliconized release film about one mater at time , while pressing the adhesive surface to the primed substrate . The membrane is pressed from mid point to the edges in the order to expel any trapped air and to ensure good contact. The adjacent roll in then positioned sp as to overlap the fixed membrane by at least 80-100 mm along the edge. The selvedge strip provided at the edge of the fixed membrane is then peeled back one meter at a time while fixing the second roll in the same manner as the first. End laps must be min 150-mm wide.

All seams must be pressed from the top using a suitable seams roller to ensure total contact and continuity at the seams .

Inspect the fixed membrane to ascertain that all joints are properly executed and all air is expelled from under the membrane.

Storage:

Material stored at temperature below 20degC should be left exposed to a warmer temperature for at least 24 hours . ambient temperatures above 50degC may give rise to difficulty in removing release film . it will be better to wait until the temperature goes down .

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SURFACE : ALUMINUM - PLAIN - SAND - SLATED