

SR	PROPERTIES	UNIT	VALUE	TEST METHOD
1	Thickness	mm	3.0, 4.0 & 6.0	ASTM D 5147
2	Length	mt.	2.0	
3	Width	mt.	1.0	
4	Softening point	°C	>150	ASTM D36
5	Penetration	dmm	10	ASTM D 5
6	Heat Resistance (@120 °C for 2h : 15 min)	Pass	No flow	ASTM D 5147
7	Puncture Resistance	N	>1300	ASTM E 154
	Static		L4	UEAtc 5.1,9
	Dynamic		I4	UEAtc 4.4.1
8	Resistance to Aging (after 2000 hrs)		No deterioration	ASTM D 4799
9	Water Absorption (@ 25 °C for 24hrs)	%	< 1	ASTM D 5147
10	Water Vapour Transmission,	g/m2/24hrs	< 0.5	ASTM E 96
11	Resistance to leakage at joints		pass	UEAtc
12	Water Permeability		impermeable	ASTM E 96
13	Chemical and salt resistance	-	Excellect	-

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 PROTECT P

2mm . 3mm . 4mm . 5mm . 6mm

صناعة  
سعودية  
MADE IN KSA



SI INSULATION

Torch applied semi-rigid bituminous protection board with double reinforcement of non woven polyester.

**General Description:**

**SI PROTECT P** : is a torch applied semi-rigid bituminous protection board, reinforced with the double carrier of non woven polyester with high puncher, and heat resistance to protect waterproof membrane against mechanically stress and impact though the sharp aggregate and other alien matters during back filling while in construction process.

**Application areas:**

**SI PROTECT P**: It is an ideal for protection of waterproofing membrane and coating system, and such areas, are internal and external wall below ground, 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.
- Compatible with waterproofing membrane and liquid coating.
- High puncher and impact resistance.
- Excellent adhesion strength.
- Resist against damping.
- High impact and puncher resistance.
- Resist attack from salt and alkalis.

**General data:**

Nominal thickness : 3, 3.2, 3.5, 4, 6 MM  
Nominal size : 1x2 mtrs.  
Reinforcement : Non woven polyester.  
(Double reinforcement)  
Black surface : Both side with polyethylene film

**Quality control:**

**SI PROTECT P** . 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 IZOMAKS laboratory, our product is tested by independent internal laboratories.

**Compliance standards:**

**SI PROTECT P** testing under standard methods is. ASTM, EN etc.

**Packing:**

**SI PROTECT P** : is manufacturing in standard size 1x2 mtr. And board are palletized and covered with a shrink-wrapped.

**Tools required:**

Gas torch, Gas cylinder, measuring tape, Trowel, Knife, Marking string etc.

**Limitation:**

- Avoid installation of board same date, when waterproofing has been done.
- Do not install in moist surfaces or raining weathers.
- Avoid overheating.
- Avoid backfilling same days when protection has been done.

**Application method:**

**Horizontal surface:**

**SI PROTECT P** : Placed the protection board over applied waterproofing membrane in a series without maintaining any gaps including over and end laps with the fully bonded torched applied from the low points and press firmly to achieve complete adhesion with the membrane surfaces. for intersections and protrusions can be applied by cut and fit methods.

**Vertical surface:**

Placed the sheets over vertical waterproof surfaces with fully bonded torched applied from the low points and press firmly over the surface keep hold till it sets.

**Backfilling:**

Backfilling against vertical surfaces should be done within 48 hours after protection board installation has been done.

**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 PROTECT P

2mm . 3mm . 4mm . 5mm . 6mm

