

BITUFLEX HP - 180

Semiflexible Protection Sheet



Certificate SA10/2142



BITUMAT
بيتومات

DESCRIPTION

Bituflex HP 180 Protection Sheet is a uniquely formulated, prefabricated protection sheet with a special multi-layered design for superior pliability, tensile strength, puncture resistance and resistance to elements of the soil. The multi-layered design consists of a non woven polyester mat core coated on both sides with modified bitumen. The heavy duty polyester mat core gives the Sheet high tensile strength, elongation. Properly installed **Bituflex HP - 180** protection Sheets forms an impervious, tough protection for shielding the Waterproofing systems against physical damage. It remains pliable enough to withstand normal substrate movement.

FIELD OF APPLICATION

Bituflex HP 180 Protection Sheets are ideal as a protection Sheet to protect delicate and thin waterproofing systems that may be on roofs, reservoirs, basements, tunnels and car parks. Due to its superior mechanical properties, it protects from the damage that can be caused normally specified backfill material

METHOD OF APPLICATION

Bituflex HP 180 Protection Sheets can be installed by torch welding or by adhesive or by using hot bitumen. If torching method is used, the under side of the Sheet should be torched just enough to superficially soften the bitumen. Excessive heating may damage the reinforcement.

TORCHING GUIDELINES

The underside of the sheet should be torched just enough to superficially melt the bitumen. Excessive heating may damage the reinforcement. The sheets can be installed butting the sides together. On vertical surfaces the material should be temporarily held in place or fixed with an adhesive such as Bituflash with the waterproofing membrane.

PACKAGING AND STORAGE

The product is packed as sheets on wooden pallets wrapped with protective hoods. The product must be stored indoor, protected from heat & frost.

USES

To protect the waterproofing systems against damage during construction activities & backfilling

Supply Data

1 m (width) x 2 m (length)

3 mm : 200 sheet/pallet

4 mm : 150 sheet/pallet

6 mm : 100 sheet/pallet

TECHNICAL DATA

Characteristic	Value	Unit	Tolerance	Norm
Thickness	3, 4, 6	mm	±5%	EN 1849-1:1999
Mass per unit area	3.5, 4.5, 6.5	kg/m ²	±10%	EN 1849-1:1999
Resistance to Impact	700	mm	≥	EN 12691-A:2006
Resistance to static loading	25	kg	≥	EN 12730-A:2015
Puncture resistance	1200	N, 25 mm	±30%	ASTM E 154

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