



TECHNOELAST MOST B 4.5 MM GREY SLATE

DESCRIPTION:

SBS-modified bitumen membrane Technoelast Most B 4.5 mm grey slate is designed for waterproofing of reinforced concrete slab of carriageway on bridge constructions and other traffic areas. Can be also used as a single-layer waterproofing of the foundation.

Technoelast Most B 4.5 mm grey slate is the waterproofing material produced by two-sided placing of a high-quality polymer-bitumen binder on a polyester base. The material has additional durability and resistibility features thanks to special formula of polymer-bitumen binder and increased thickness.

On the bottom side the material is covered by a polymer film with special graphic elements, melting of which indicates the proper material heating. On the top side the material is covered by a coarse-grained slate that protects the material from direct sunlight during installation. The membrane can be laid loosely in underground structures.

GENERAL REQUIREMENTS:

- Rolls of the material should be stored indoors in a dry place in their original packaging and taken to the construction site ready to use.
- Rolls should be stored upright on pallets in a 1- row height.
- Falls or other mechanical impacts should be avoided during transportation and storage. Roll's protective film should not be damaged.
- The application surface must be cleaned of dust, debris, grease, leaves, oil and should not have gaps and cracks or other irregularities to ensure proper adhesion of the membrane.
- Surface must be treated with primer before installation of waterproofing material.

DIRECTIONS FOR USE:

Rolls of the material should be installed in a longitudinal direction to traffic starting from the lower places.

Installation of reinforced concrete protective layer should be performed not earlier than 3 hours after installation of waterproofing layer.

INSTALLATION

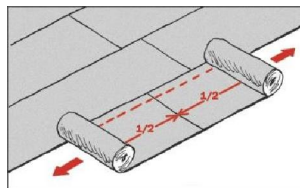
FLAT SURFACE



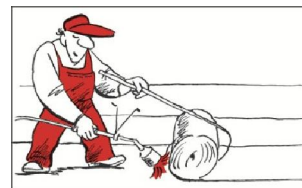
Clean the surface and repair any gaps, cracks, etc. It should be aligned and dry.



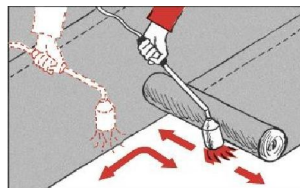
Treat the surface with bitumen primer to increase the adhesion of bitumen membrane.



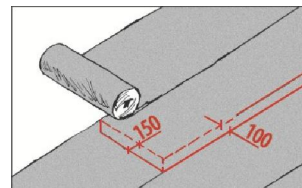
Roll out and align the membranes, then re-roll them tightly from both sides towards the centre.



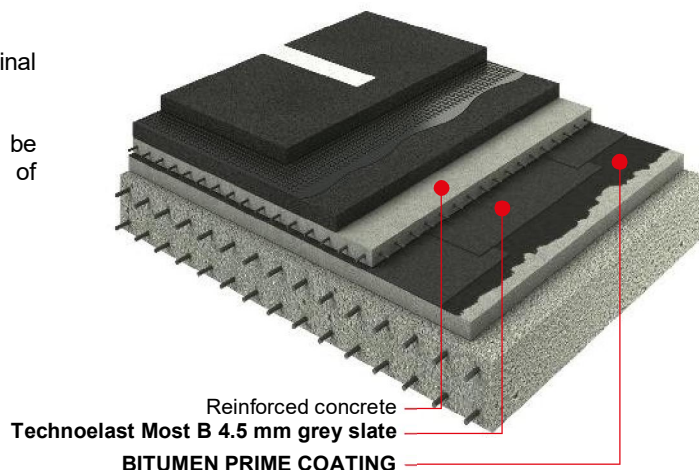
Heat the base and the bottom side of material at the same time to get small bitumen flow.



Heat the material and the base on all width of the roll, overlaps must be heated additionally.



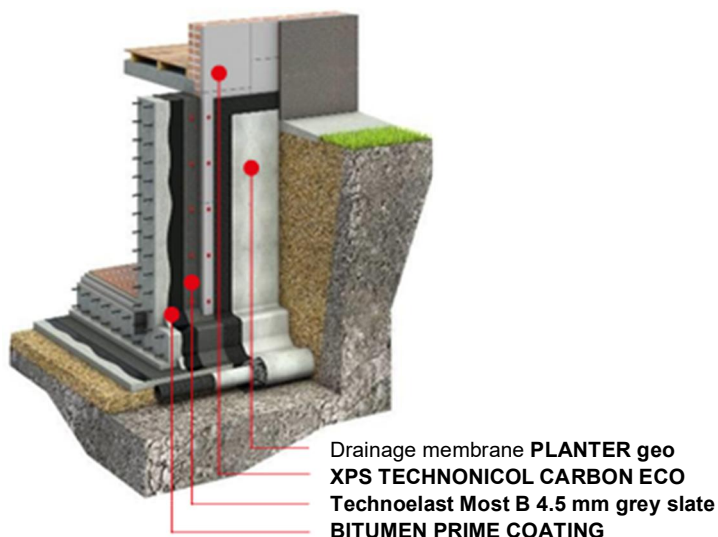
Longitudinal overlaps should be 100 mm; end overlaps should be not less than 150 mm.





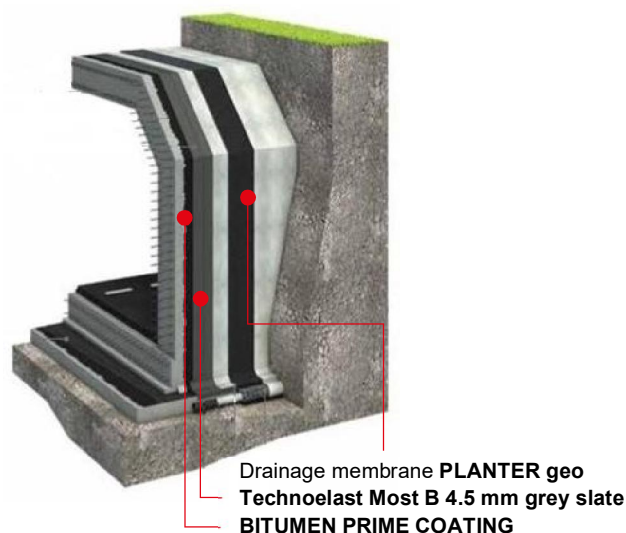
SYSTEM SOLUTIONS:

FOUNDATION WITH THERMAL INSULATION



SOLUTIONS

TUNNEL CONSTRUCTED WITH CUT-AND-COVER METHOD



DECLARED PERFORMANCE:

Essential characteristics	Test method	Performance	Essential characteristics	Test method	Performance
Protection of the top side	-	coarse-grained slate	Softening point, °C	ASTM D36	≥ +110
Protection of the bottom side	-	polymer film	Flexibility at low temperature, °C	EN 1110	≤ -25
Length, m	EN 1848-1	≥ 10.0	Flow resistance at elevated temperature, °C	EN 1110	≥ +100
Width, m	EN 1848-1	≥ 1.0	Watertightness at 0.2 MPa for 24 hours	EN 1928	Pass
Straightness	EN 1848-1	≤ 16	External fire performance	EN 13501-5	Froof
Mass per unit area, kg/m²	EN 1849-1	≥ 5.4	Puncture resistance, N	ASTM E 154	>1050
Thickness, mm	EN 1849-1	4.6±0.1	Dimensional stability, %	ASTM D5147	1.0
Type of carrier	-	polyester	Adhesion of granules, %	EN 12039	≤ 30
Tensile properties: maximum tensile force L / T, N/50mm	ASTM D5147	≥ 600 / ≥ 600	Peel strength to pouring concrete, N/m,	ASTM D 903	2000±200
Tensile properties: elongation, L / T, %	ASTM D5147	40±20 / 40±20	Water vapor transmission properties	EN 1931	NPD
Tear resistance L / T, N	ASTM D5147	500±150 / 500±150	Dangerous substances	Does not contain dangerous substances	

Footnotes: L / T – Longitudinal / Transverse
NPD – No Performance Determined

Shelf life: 12 months