

PROMULSIT FLEX

High efficiency sprayed membrane for surface waterproofing

DEFINITION:

Fast breaking bitumen emulsion modified with polymers, specially formulated for waterproofing all types of surfaces which, once applied, forms a highly elastic and high puncture resistant coating fully bonded to the substrate.

ADVANTAGES:

- Easy application and high performance.
- Very good "workability".
- Excellent bonding to most building materials.
- Can be applied even on wet surfaces.
- High elasticity and adaptation to substrate.
- High puncture resistance and high level of resilience ("self-restoring").
- Very quickly ready for use (3 to 8 hours depending on ambient temperature).
- Allows subsequent coating and immediate transit on the surface.

FIELD OF APPLICATION:

- Waterproofing of housing developments and large areas such as car park roofs, bus stations, shopping centers, etc.
- Anti-moisture surface protection of concrete elements such as buried walls and foundations.
- Waterproofing of bridge decks and cut-and-cover tunnels.
- Waterproofing of fissured surfaces in general.
- Waterproofing of protected covers.

INSTRUCTIONS FOR USE:

- The substrate on which Promulsit Flex is to be applied must have a cohesive surface which is clean, free of dust and other substances (oils, lime, etc.) that could impair adherence or affect its performance.
- Mix the product before application, especially if it has been in storage for some time.
- It is advisable to prime the substrate with a bituminous emulsion primer such as Promulsit Elastic diluted to 50% or using the product itself at the rate of 200-300 g/m².
- Promulsit Flex is applied with an approved spraying system that allows the formation of a continuous high quality in situ waterproofing membrane with excellent elasticity.
- Immediately place a weather protection layer after applying the product, such as a geotextile sheet or similar.
- The specified finishing layer can then be applied (concrete panels, mortars, pebbles, tiles, etc.).

AMOUNTS/USAGE:

The amounts will be determined by the type of application. These can range between 3-4 kg/m² on vertical surfaces and 5-6 kg/m² on horizontal surfaces, depending on the condition of the substrate.

SPECIFICATIONS:

Characteristics	Unit	Standard	Min.	Max.
Original emulsion				
Particulate load	-	EN 1430	Negative	
Water content	%	EN 1428	43	47
Efflux time 2mm, 40°C	S	EN 12846-1	15	70
Stability				
Demulsibility with Cl ₂ Ca	%	NTL 141	60	
Settling tendency at 7 days	%	EN 12847	10	
Sieving by 0.5mm	%	EN 1429	0.1	
Residual binder				
Penetration (25°C; 100 g, 5 s)	0.1 mm	EN 1426	220	
Softening point	°C	EN 1427	39	
Elastic recovery at 25°C	%	EN 13398	75	

STORAGE AND CONSERVATION:

- Containers should remain sheltered from the elements so that they are protected from both frost and exposure to direct sunlight.
- The storage temperature should not be less than 5°C or above 40°C.
- The maximum recommended storage time is 9 months, in the tightly closed and undamaged original containers.

OTHER RECOMMENDATIONS:

- It is advisable to apply the product at temperatures in the range 10-35°C, avoiding its use under adverse weather conditions.
- The treated surface must be protected from direct sunlight.
- Promulsit Flex is not suitable for applications that will be in contact with solvents or fuel.

