

PROMULSIT FLEX SYSTEM

DEFINITION:

This innovative system is suitable for waterproofing faces, fissured roofs, and a wide range of surfaces. It can be applied by directly projecting the emulsion on the over the surface to be treated using a two-cavity high performance pump. Once the emulsion breaks up, a high-quality impermeable elastic continuous sheet is formed in-situ.

APPLICATIONS:

- → Waterproofing large surfaces like residential and commercial developments, parking lots and bus stations.
- → Damping protection of concrete structures, like buried walls and foundations.
- → Waterproofing cut-and-cover tunnels, bridge decks and sheltered decks.
- → Protection of fissured surfaces.

ADVANTAGES:

- → High efficiency and easy to apply.
- → Easy to handle.
- → Outstanding adhesion to most construction materials.
- → Suitable for wet or damp surfaces.
- → Enables immediate use and covering of the waterproofed surface.

SYSTEM:

→ PROMULSIT or PROMULSIT ELASTIC: Bitumen-based primer.







CONSTRUCTION - MULTILAYER SYSTEMS

- → PROMULSIT FLEX: Fast breaking bituminous emulsion modified with polymers. Specifically designed for waterproofing any type of surface with a high elasticity and punching shear resistant layer. The waterproofing layer is completely adhered to the substrate guaranteeing an outstanding performance.
- → BREAKING AGENT: Saline solution. It is projected together with PROMULSIT FLEX.

STRUCTURE OF THE SYSTEM:

- → A priming Promulsit or Promulsit Elastic layer, approx. dosage 0,3 kg/m² (depending on the substrate type).
- → A Promulsit Flex layer. Dosage will depend on the substrate type. For new concrete horizontal surfaces, recommended dosage is approx. 5 kg/m².

INSTRUCTIONS FOR USE:

→ Surface preparation:

- To ensure the best performance of the system, it is necessary to remove adhered pollutants and crumbly materials, as well as to open the pores of the concrete. This way a correct adhesion of the coating is ensured.
- High quality mortars must be used to create grooves between horizontal and vertical parametrs as well as on vertical corners.
- Expansion joints are recommended to be previously sealed with a hypalon, PVC, etc. waterproofing band.
- Any other irregularity will be successfully circumvented by the waterproofing system thanks to its high flexibility.

→ Priming:

- It is duly recommended using a primer before applying the product, especially when the substrate is concrete.

→ Use:

- Promulsit Flex is directly projected over the surface to be coated. The emulsion breaks after contacting the substrate and a waterproof layer is formed.
- Promulsit Flex can be used on wet substrates, although puddles of water must be avoided.





CONSTRUCTION - MULTILAYER SYSTEMS

- → Protection of the waterproof layer:
 - Although right after application the membrane is suitable for pedestrians, it is duly recommended to protect it with a geotextile membrane. The finishing layer (concrete panels, mortar, boulders, slabs, etc.) will be set afterwards.

PERFORMANCE CHARACTERISTICS:

- → Outstanding waterproofing behavior, proven by leak tests.
- → Outstanding adhesion to substrates.
- → High elasticity of the membrane.
- → Outstanding punching shear resistance and self-healing.
- → Vapor resistant.
- → Flexible at low temperatures.





