

## PROMULSIT FLEX SYSTEM

### Waterproofing solution for large areas

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 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

#### ADVANTAGES

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

#### 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.

#### SYSTEM

##### Products:

- PROMULSIT or PROMULSIT ELASTIC: Bitumen-based primer.
- 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/m<sup>2</sup> (depending on the substrate type).
- An Promulsit Flex layer. Dosage will depend on the substrate type. For new concrete horizontal surfaces, recommended dosage is approx. 5 kg/m<sup>2</sup>.

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## 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.

## INSTRUCTIONS FOR USE

- Surface preparation:  
In order 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 paraments 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.
- 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.

