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BRIDGE DECK SYSTEM

Solution for waterproofing bridge decks

Bitumen mortar containing acrylic fibers specifically designed for waterproofing concrete bridge decks.

ADVANTAGES

- Outstanding adhesion to concrete decks.
- Flexible.
- Continuous waterproofing solution (joint-free).
- Low thermal susceptibility.
- Easy application at room temperature.
- Outstanding durability.

APPLICATIONS

- Concrete bridge decks:
  - The system is applied between the deck and the asphaltic pavement layer(s). The waterproofing layer stands the traffic solicitations indirectly, therefore a high quality execution of the application is required.
- Railway viaducts:
  - The system protects the main waterproofing layer from the mechanical efforts induced by the ballast and sub-ballast, especially on high speed railways.

SYSTEM

Products:

- PROMULSIT/IMPRIMUL: Bitumen-based primer.
- ROADSEAL FIBRE: High viscosity mixture containing controlled size mineral particles, a high stability bitumen emulsion and synthetic fibers.

SYSTEM STRUCTURE

- One Promulsit or diluted Imprimul primer layer, approx. dosage: 0,3 kg/m² (depending on the substrate).
- Two Roadseal Fibre layers, approx. Dosage: 2 kg/m² each.

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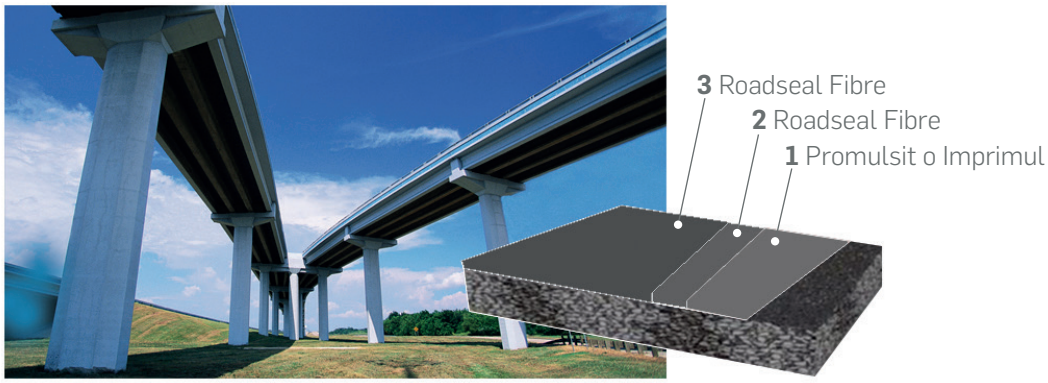
PERFORMANCE CHARACTERISTICS

Despite of the remaining porosity, the permeability tests guarantee the waterproof behavior of these mortars.

Performance	Units	Standard	Min.	Máx.
Flexibility at 4ºC	mm	ISSA 146	150	___
Permeability		NLT-327	Non-permeable	

INSTRUCTIONS FOR USE

- Make sure that the substrate is clean, free of dust, humidity and other substances (oil, lime, etc.). The Surface to be primed must be cohesive.
- When using the system on hydraulic concrete, the Surface must be analyze in order to prevent adhesion problems due to excessive polishing, meteorization, humidity, etc. Application in the range 10-35ºC is recommended. It is not recommended to apply the system under adverse weather conditions.
- Gently homogenize the products in the container before application. Use a rubber scrap or any other appropriate method to apply a uniform layer and let it dry completely before applying a subsequent layer (24 hours approx., depending on environmental temperature and humidity).
- NEVER add water directly to Roadseal Fibre. Adding water would induce the loss of cohesion properties. Nevertheless, the surface may be humidified prior to application for a more comfortable application.
- Do not apply the agglomerate layer until the Roadseal Fiber layer is completely dry.
- Working tools can be cleaned with water while the product is not dry.



For further information visit www.cepsa.com

N.B: The recommendations in these technical specifications are purely for guidance and for general situations and Cepsa takes no responsibility whatsoever for misuse. For individual cases, contact Cepsa Technical Department.