



GREMMLER®

BAUCHEMIE



BRIDGE DECK PRIMER

Our Bridge Deck Primer GI 103 is a solvent free unfilled and pigmented epoxy resin based dual-component reaction plastic. The product is used as primer upon decking tables made of steel or concrete. It is especially designed for the use upon bridges and features outstanding heat resistance during the successive application of hot asphalt sheeting.

Our Bridge Flooring Primer GI 103 is low viscous and features high capillary activity. It therefore penetrates perfectly even at lower temperatures into the most capillary pores of the substrate.

The product is designed for the direct use on minerally bound substrates with a residual moisture up to 5 % on cementous screeds (determined by CM method).

It is impermeable against carbon dioxide and therefore effectively protects reinforced concrete surfaces against carbonation. That is of high importance for the corrosion protection of the reinforcement.



THE SYSTEM

- Underground has to be shot blasted or grinded
- Roughness has to be 0,3-1,2 mm.
- First priming layer with GI 103 approx. 500 g/m²
- Full fire dried quartz sand cover grain 0,3-1,2 mm
- Second layer with GI 103 approx. 600 g-700 g/m²
- First layer of bitumen sheeting
- Second layer of bitumen sheeting
- Asphalt
- Traffic open

PROCESSING CONDITIONS

Bridge Deck surface has to be shot blasted or grinded with a roughness between 0,3-1,2 mm (see System).

Bridge Deck surface cracks have to be closed before installation of GI 103 primer.

Holes and surface defects have to be filled with a mixture of GI 103 and quartz sand.

Lowest working temperature +5 °C and highest +30 °C, the bridge deck has to be min. 3 °C above air dew point.

Relative air moisture can be max 85%.



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