

CI-brems

Hydrophobic impregnation for protection against chlorides

PRODUCT DESCRIPTION

CI-brems is a hydrophobic impregnation for concrete.

CI-brems protects concrete structures against chloride penetration. The impregnation is particularly suited for treating bridges, piers, car park decks etc. where there is ingress of water borne agents, such as chlorides. Approved by Statens Vegvesen, Vegdirektoratet (Norwegian Public Roads Administration) for use on concrete bridges.

AREA OF USE

CI-brems is highly penetrative, and is resistant to alkaline environments. Treated surfaces will be water repellent but at the same time diffusion open. On curing the hydrophobic compounds will be chemical combined with the mineral in the surface and seal the capillaries and pores. The original water vapour permeability of the concrete remains unaltered.

DIRECTIONS FOR USE

Before applying **CI-brems** the substrate must be cleaned e.g. by sand blasting. Surfaces must be free of oil or other contamination and all traces of paint must be removed.

Apply **CI-brems** in two coats wet on wet.

CI-brems can be applied by brush or low pressure sprayer.

SAFETY INSTRUCTIONS

For health, safety and environmental information, see separate HSE datasheet at www.resconmapei.com.

WARNING

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

All deliveries from Rescon Mapei AS are made in accordance with the sale and delivery conditions applicable at the time, and these conditions are taken to be accepted on placement of an order.

TECHNICAL SPECIFICATIONS

<i>Material type</i>	<i>Silane based</i>
<i>Specific weight:</i>	<i>0.95 g/cm³</i>
<i>Consumption:</i>	<i>0,2 – 0,4 kg/m² in two coats, depending on substrate absorbency</i>
<i>Colour:</i>	<i>Transparent, colourless liquid</i>
<i>Consistency:</i>	<i>Low viscosity liquid</i>
<i>Chloride retarding effect:</i>	<i>88% reduction (ref. Sintef-rapport)</i>
<i>Penetration in high-strength concrete:</i>	<i>2 – 3 mm</i>
<i>Penetration in surface dry concrete:</i>	<i>1 – 2 mm</i>
<i>Solubility of asphalt:</i>	<i>100% after 60 minutes</i>
<i>Packaging:</i>	<i>20 litre cans and 200 litre drums</i>
<i>Storage:</i>	<i>CI-brems must be stored dry and away from direct sunlight. When stored correctly in sealed packaging the product properties remain unchanged throughout the first 12 months.</i>