

IMPREGNATION FOR CEMENTITIOUS SCREEDS

PRODUCT DESCRIPTION

CEMART CEMPREG is a colorless, waterborne and environmentally friendly (APEO-free) impregnation for various porous building materials such as the CEMART cementitious screeds. CEMPREG is used to make the surface water and oil repellent. CEMPREG is a product, which is based on silanes, siloxanes and fluorinated carbon resins, which are dissolved in water. The product has a high penetration capacity and is highly resistant to alkalis (up to 13 pH), as well as UV rays. It can be applied onto slightly damp surfaces. CEMPREG polymerizes due to the moisture present in the surface or in the air, in order to form a dry and tack-free polymer.

APPLICATIONS

CEMART CEMPREG is used to reduce the infiltration of moisture into porous building materials, without causing any significant changes to its water vapour permeability. It also makes the surface water and oil repellent, so that the materials become soiled less quickly. CEMPREG can be applied to porous building materials like the CEMART cementitious self-leveling screeds.

PREPARATION

The substrate should be dry and clean, free from loose material, surface contamination, dust, grease, oil and other contaminations. All impurities must first be removed with the appropriate cleaner. Defects such as cracks must first be repaired with the appropriate means. The quantities to be used vary between 0,25 ltr and 1 ltr or more per square meter, depending on the porous structure of the materials being treated.

Special precautions need to be taken when treating grounds, which contain low-porosity or nonporous materials, such as dressed stone, marble, glazed bricks, etc. In order to remove streaks and marks after application, you will need to clean these surfaces immediately, using a damp cloth, before allowing them to dry. Alternatively, you may wish to saturate the surfaces with water. Similar precautions must be taken for frames and glass, which should preferably be protected carefully and effectively, before treatment, using a suitable adhesive film. CEMART CEMPREG is not suitable for application on surfaces that have been covered with organic paints or synthetic coatings. Treatment is not recommended if efflorescent salts are present. The ideal temperature for application is between 5°C and 30°C. The product must not be applied at temperatures below 5°C or to surfaces, the temperature of which is higher than 30°C.

APPLICATION

Treatment involves atomization under low pressure. Two treatments should be conducted wet-on-wet. Avoid the formation of puddles. Any excess product must be removed by going over the surface with a roller after the last coat has been applied. This ensures even distribution and prevents the formation of puddles.

CEMART CEMPREG is a ready-to-use product, it is not necessary to dilute CEMART CEMPREG.

TECHNICAL DATA

Concentration	10 % (silanes, siloxanes and fluorinated carbon resins)
Density	0,98 – 1,02 g/cm ³
Dilution	water
Flash point	none
Viscosity/colour	very liquid, milky white

APPLICATION

Quantity to use	Between 0,25 ltr and 1 ltr per square meter, depending on porosity. In order to assess how much product will be required, conduct absorption tests using a Karsten tube. the practical yield can largely be influenced by the roughness and porosity of the substrate.
Maximum relative humidity (%RH)	85%
Maximum - Minimum temperature	30°C - 5°C
Packaging	5 liter
Storage	Frost free in closed container; 12 months, 5-30°C

CLEANING

Tools and equipment can be cleaned with water. When spilling clean the stains with water.

HEALTH AND SAFETY



Exposed skin parts should be washed with warm water and soap before the CEMPREG has dried out.

After washing: Apply a fat ointment or cream to exposed skin parts.

Wear breathing and eye protection during spray application.

Wear protective clothing to avoid skin contamination

Consult the most recent and product-related safety information sheet in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

DANGER

No hazard classification. Not hazardous under normal conditions of use.

TRANSPORTATION

No transport classification. Should be transported free from frost.

GENERAL

The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However, the client is obliged to determine himself whether the products are suitable for use. The characteristics given here are average values, obtained at 20°C and 50% RH, and were drawn up according to the current state of technology. As of publication, the present technical descriptions will replace all previous ones.

Please take into account different local conditions such as ventilation, floor temperature and humidity,...

Do not process at temperatures below +5°C!

Do not add other products!

Consult our web site www.cemart.eu to download the latest version of our technical data sheet.
