

KALCURE

Materials Data Sheet

Product description

Concrete curing agent that forms a surface membrane with a high vapour diffusion resistance coefficient to prevent drying out. After the freshly produced KALCRET has been cast and allowed to dry for around 60 minutes, the surface must be sealed with a curing spray. KALCURE is applied to the slightly damp concrete and forms a protective membrane on the surface of the KALCRET slab that inhibits evaporation of the water during the critical curing period. Its high impermeability ensures an ideal hydration gradient even in the outermost KALCRET layer. This results in good strength development and minimises crack formation. Without sealing the surface, the KALCRET slab would dry out too quickly, i.e. optimal hardness and bonding strength of the material could not be ensured.

Quality characteristics

KALCURE is used with a view to achieving an optimal surface finish and high quality results with KALCRET materials.

Product properties

Attribute	Unit	Data
Dispersion		White, milky liquid
Ingredients		
H ₂ O	%	84.5
Organic constituents: Paraffins	%	15.5
Density at 20 °C	g/cm ³	0.98 ± 0.02
pH		approx. 7.5
Application temperature	°C	5 – 40

All technical data are approximate values. They are based on the evaluation of tests from specific samples and are not to be construed as a legally binding guarantee on the part of Kalenborn

Subject to technical changes and errors.

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Preparatory work and processing of KALCURE

Processing

KALCURE is applied to the KALCRET layer using suitable spraying equipment (spray bridge, high-pressure spraying unit ideally with flat fan nozzle, nozzle bore 1 mm).

Other

Container size:

The curing liquid is available in containers of 5, 10 or 20 kg.

Storage and shelf life:

under normal storage conditions (sealed, protected from frost) at 5 - 30 °C 12 months

Dosage:

Recommended application rate:

150 – 175 g/m² or 1 kg for around 5 – 7 m².
Tested application rate: 150 g/m²