

PRODUCT DATA SHEET

Sika® CemCrete

ACRYLIC BASED WATERPROOF COATING SYSTEM FOR CONCRETE AND MASONRY

DESCRIPTION

Sika® CemCrete is an acrylic product when added to cement improves properties of cement slurry/mortar/concrete making them excellent choice for use in new construction as well as refurbishment work.

USES

Sika® CemCrete is a composite waterproof coating system when used in combination with cement, glass fibre, silica sand, etc.

Suitable for waterproofing of :

- Terraces, slabs, balconies & basements
- Water tanks, sunshades, sunken toilets, swimming pools and other wet areas.
- Repair and renovation works
- Making polymer modified mortar
- Treatment of leaching and saltpetre action

CHARACTERISTICS / ADVANTAGES

- Durable and hard wearing surface on application
- Easy to apply by brush, slurry consistency
- Excellent bonding with most of the substrates.
- Protects against water penetration, salt & carbonation
- Non-corrosive to steel & iron
- Vapour Permeable
- UV resistant & Crack Bridging Property
- Suitable for contact with potable water when protected with a screed

PRODUCT INFORMATION

Chemical Base	Acrylic polymer and special additives
Packaging	1kg, 5kg, 10kg, 20kg & 50kg
Appearance / Colour	Milky White Liquid
Shelf Life	12 months from the date of production if stored in undamaged and unopened, original sealed pack, in dry condition and protected from direct sunlight.
Storage Conditions	Store in dry place, away from direct sunlight. Protect from frost
Density	1.020 ± 0.002 kg/l
pH-Value	6- 8

APPLICATION INFORMATION

Consumption	Application	Mixing Ratio (by weight)	Dilution with Water	Consumption of Sika Cemcrete
	Cement Slurry Coating	Sika® CemCrete : Cement(OPC) 1 : 2	Nil	0.4 - 0.5 kg/m ² for two coats
	Brush Topping	Sika® CemCrete : Cement(OPC) : Fine Silica Sand 1 : 2 : 2	Nil	0.65 - 0.7 kg/m ² for 1.5mm thickness
▪ Standard coating System can be further reinforced by placing SikaFab 1 glass fibre layer in between first and second coat.				
Ambient Air Temperature	+10°C min / +40°C max			
Substrate Temperature	+10°C min / +40°C max			

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles, paint, cement laitance, old coatings and any other contaminants.

MIXING

Refer to the table of consumptions for various applications

APPLICATION METHOD / TOOLS

Mechanically clean the surface area by wire brush, scarifying, sand blasting, grinding, etc. Repair existing crack and damages with Sika® Cracksil / Sika® Quick Mortar. Saturate the surface with water (SSD condition) prior to application of coating.

In case of minor depressions, surface to be levelled using mortar in the proportion 1kg cement : 1.5kg fine silica sand : 0.5kg Sika® CemCrete. Sika® CemCrete polymer is mixed with neat fresh cement in the ratio 2 parts of OPC: 1part Sika® CemCrete polymer by weight. The mix is to be stirred thoroughly using mechanical stirrer till homogeneous slurry is obtained. No air bubbles or lumps should be visible.

Two or more coats are recommended with a re-coating interval of 5-6 hours. A glass fibre mesh of Sika® Fab 1 can be laid between the 1st and the 2nd coat to improve the tensile properties of the coating system. Moist curing should be done for a period of 24 hours by spraying / sprinkling of potable water after about 6 hours from the time of application of the final coat. After moist curing the coating shall be allowed to dry before submersion in water. A protection screed using Plastocrete® Plus/Sikacim® is recommended for covering the coating for greater durability.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our

current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika India Pvt. Ltd.
620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
Tel : +91 33 24472448
Fax : +91 33 23978688
Mail : info.india@in.sika.com



Product Data Sheet
Sika® CemCrete
July 2019, Version 01.01
020705040010000031

SikaCemCrete-en-IN-(07-2019)-1-1.pdf