Primer coating

SILPRIME-ROK®

Solvent-free resin primer for ROKrete

JV POLYMERS

innovative coating

SILPRIME-ROK TDS

Solvent-free resin primer for ROKrete

Version date : 1/4/17

FIELDS OF APPLICATION

SILPRIME-ROK® can be used as a moisture barrier for industrial floors with increased residual subsoil humidity in cement-based systems of up to 6 CM% and as a priming coat for ROKrete epoxy and polyurethane products. In addition, **SILPRIME-ROK®** may also be used as an adhesive base coat for cement composite screeds.

DESCRIPTION

SILPRIME-ROK® is a filled, ready-to-use, whitish, two-component priming coat having a solvent free resin base.

ROKRETE SYSTEMS

SILPRIME-ROK® is used as primer for all subsoil with increased humidity up to 6 CM% for all ROKrete systems.

The product was tested according to EN 1504-2 for surface protection systems for concrete products in the ROKrete systems.

TECHNICAL SUPPORT

For system build up possibilities and detailed information relating to the laying of ROKrete products, please refer to the ROKrete system planner or contact JV Polymers directly
Phone:+82-70-8688-3957
E-mail:info@jvpolymers.com

SUBSTRATE PREPARATION

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding. SILPRIME-ROK can be applied directly to the surface if the substrate moisture content does not exceed max. 6 CM% and the surface is absorbend and free from puddles. There should be no water in the pores. The surface must have an adhesive strength of minimum 1.5 N/mm^2. All traces of contaminants such as oils, fats, greases , paint residues, chemicals, algae and laitance should be removed. Cracks and hollow spots must be properly remedied. Before retopping old coatings, please contact out technical support.

OVER-COATING

Over-coating has to take place within 24 hours after application of the layer.
Grinding would destroy the closed film of the priming layer.

APPLICATION

The product is delivered in 2 component containers in the exact mixing ratio. Before starting the application, the material has to be heated to ambient temperature(air and floor temperature).

The entire contents of the B-component container is emptied into the A-component container. After mixing with a suitable electrical stirrer for approx. 3-4 minutes the mixture is poured into another container and stirred again briefly. The inclusion of air in the stirring process is to be avoided. To cover vertical surfaces, add 1-3% floating agent. If used as a primer for melted asphalt and for subsoils with humidity up to 4 CM% the product is applied only once using a spatula and roller afterwards. For subsoils with increased humidity of 4-6 CM% the product has to be applied twice, using a spatula. It should be particularly ensured that a film-forming, closed surface is produced. The first layer must not be sprinkled over with quartz sand. The second layer can be rolled with a short pile roller usually 12 h after the application of the first layer.

To improve inter-layer adhesion the wet primer can be sprinkled slightly with silica sand over the entire area (consumption approx. 800 g/m^2). For cleaning of tools and other contaminations toll cleaner is used.

TECHNICAL DATA

SILPRIME-ROK	
LIQUID mixture (A+B)	
1. Solids content	99%
2. Density (20°c)	1.41g/cm^3
3. Viscosity (20°c)	1,500-2,500 mPas
4. Packaging size (2-component container)	25kg (18.9kg A + 6.1kg B)
5. Shelf life	24 months in closed original container
6. Storage	Dry at 10-25°c, avoid direct sunlight

TECHNICAL DATA

SILPRIME-ROK	
LIQUID mixture (A+B)	
1. Adhesion strength (DIN ISO 4624)	>2.5 N/mm^2 (concrete failure)
2. Mixing ratio A : B	100 : 32 by weight (kg)
3. Working time (20°c)	Approx. 20 minutes
4. Application temperature	10-30°c (min. 3°c above dew point)
5. Material consumption	200-400 g/m^2 per mm per layer
6. Foot traffic (20°c)	After 12-15 hours
7. Following coating (20°c)	Within 12-24 hours
8. Fully capable of withstanding stress: mechanical (20°c) chemical (20°c)	 After 7 days After 28 days

Customer Service
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