

How to Use Surface Preparation

The substrate must be saturated surface dry (SSD), free of all contaminants i.e. laitance, oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface (CSP 4 min.). Weak concrete should be removed and surface defects such as blowholes and spalls must be fully exposed. All dust, loose and friable material must be completely removed before application of the Sikafloor Level 50, preferably by broom and vacuum. The compressive strength of the concrete substrate should be at least 3500 psi (24 MPa) at 28 days and 200 psi (1.4 MPa) in tension at the time Sikafloor Level 50 is applied. All cracks and holes should be filled to prevent seepage through to lower areas. Existing joints in the substrate should be repeated throughout the topping. Do not bridge expansion and control/joint. Note: For adhesion to smooth, dry and/or porous and weak surfaces, the substrate must be primed, contact Sika Technical Service.

Mixing

Add 0.87 gal. (3.3 L) of potable water to a suitably sized mixing container and while mixing slowly add the powder (55 lb/25 kg). Once all the powder has been added continue mixing with a low speed electric mixer (300-400 rpm) for a minimum of 3 min. until a uniform mix has been achieved. Let material stand until the majority of air bubbles have dispersed.

Application

Pour the mixed material onto the pre-dampened surface (SSD) and spread by trowel or pin screed rake to the required thickness. Since it is not possible to effectively spike roll material at depths in excess of 5/8 in (16 mm) some air bubbles may be left at the surface. This in no way detracts from the performance of the product.

Curing

Sikafloor Level 50 must be allowed to air cure. Do not wet cure or use curing and sealing compounds.

Limitations

- Protect newly applied Sikafloor Level 50 from condensation and water for at least 24 hrs
- Protect Sikafloor from excess heat and moving air while curing.
- Turn off radiant heating and forced air ventilation systems for 24 hrs
- Do not exceed the recommended water dosage.
- Low temperatures extend drying times.
- Temperature variations will affect working time.
- Sikafloor Level 50 does not provide an aesthetic finish.
- Not suitable for slopes or inclines > 0.5%.
- For interior use only.
- When overcoating with Sikafloor resins or any subsequent layers of Sikafloor Level 25/50, mechanical preparation is required to remove any surface laitance that could interfere with the bond.
- Subsequent layers require the surface to be SSD.
- When overcoating Sikafloor Level 50 ensure the moisture content meets the requirements of the coating product.

Caution

This product contains cement and silica sand that may cause skin and eye irritation. Use rubber gloves. Avoid breathing dust. Use only with adequate ventilation. In confined area, use of a NIOSH approved respirator is recommended. Consult product label for additional information.

First Aid

Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. **Skin:** Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation:** Remove person to fresh air. **Ingestion:** Do not induce vomiting. Dilute with water. Contact a physician. **In all cases, contact a physician immediately if symptoms persist.**

Clean Up

Use water. Hardened material may have to be mechanically removed.

KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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