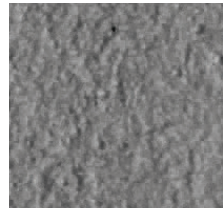


EDITION 03.2021/v1

Sikafloor® Epoxy Coating Application Guide

Preparation & Installation Procedures

A. Mechanically prepare all concrete floor surfaces using a Blastrac or grinder in order to achieve a profile equivalent to ICRI - CSP 3.



1. Remove all existing paint, surface sealers, curing agents, dirt, laitance and loose, friable material.
2. Where present, remove grease and oils from old and contaminated concrete
3. New concrete floors must also be properly prepared by mechanically removing all dirt, laitance and loose material and producing the required surface profile
4. Remove all dust particles and residue from surface preparation using an industrial vacuum.
5. The resultant floor must be clean, sound and possess a compressive strength of at least 25 MPa (3625 psi) at 28 days together with at least 1.5 MPa (218 psi) tensile strength at the time of application of the Sikafloor® coating.

B. Always obtain and read the most current Product Data Sheet and have access to the Safety Data Sheet for the selected product.

1. Calculate the necessary amount of material for a 2-coat application, using published yield data and allowing for surface profile and porosity, together with wastage.
2. Verify that the Component A corresponds with the Component B indicated on the containers.
3. Mix full units only. Do no attempt to break down the A and B Components into smaller units or part mix.

C. Have the necessary tools on hand for moisture measurement, mixing and installation of the epoxy.



Tramex Moisture Meter



Low speed electric drill (300 - 450 rpm)



Exomixer type mixing paddle



Paint spatulas (x 2)



Clean empty pails (2 x 20 L)



Flat squeegee



Paint rollers 19 mm (3/4 in) nap or brushes



Appropriately sized silica sand for slip resistance



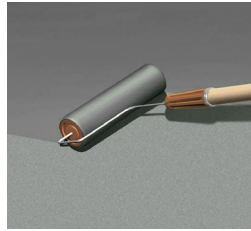
Sika® Epoxy Cleaner

D. Check the temperature and humidity of the installation area and the concrete floor before applying the epoxy.

1. Moisture content of substrate must be < 4% when the coating is applied.
2. Concrete temperature must be at least 10°C (50°F) and at least 3° (5.5°F) above the measured dew point.
3. Condition the Sikafloor epoxy to 18 - 30°C (65 - 86°F) for 24 hours prior to application.
4. Achieve and maintain the above temperature at all times.

E. Prepare and apply the Sikafloor® epoxy coating in accordance with the current Product Data Sheet, summarised as follows:

1. Thoroughly stir Component A and Component B separately.
2. Combine and thoroughly mix Components A and B for at least 3 minutes using the low speed drill and paddle, minimizing the entrapment of air and producing a uniform consistency and colour.
3. During the mixing operation, scrape down the sides and bottom of the mixing pail with a spatula to ensure complete and thorough mixing.
4. Mix only the quantity that can be used within its pot life, which is dependent upon temperatures.
5. Pour the entire mixed material on the floor. Do not leave any of the mixed material in the pail and do not leave upturned pails on the floor to drain of material.
6. Apply a prime coat onto the prepared concrete using a brush or 19 mm (3/4 in) nap roller at a uniform coverage and without ponding. If spreading the material across the floor using a flat squeegee, subsequently back-roll to achieve the required coverage and finish.
7. Once the prime coat is tack free, apply the wear coat using a squeegee or roller and back-roll to achieve even coverage. If time between coats exceeds 48 hours at 22°C (71°F), abrade the surface and wipe clean with a solvent -dampened, lint-free cloth, allowing the solvent to evaporate before proceeding.
8. Where slip-resistance is required, broadcast the silica sand into the wear coat whilst the epoxy remains wet,, ensuring even distribution.
9. Permit the epoxy coating system sufficient curing time so as to receive foot traffic, light traffic and then full exposure to normal traffic and chemicals. This time will be dependent upon temperature.



F. Clean Up

1. Clean all tools and equipment with Sika® Epoxy Cleaner. Once hardened, material can only be removed mechanically.

G. Notes.

1. It is the Contractor's responsibility to possess, on site, the relevant Product and Safety Data Sheets for products being used
2. For further information, please contact Sika Canada Inc's Technical Services (1-800-933 SIKA) or visit www.sika.ca.

The information contained herein and any other advice 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. The information only applies to the application(s) and product(s) expressly referred to herein and is based on laboratory tests which do not replace practical tests. In case of changes in the parameters of the application, such as changes in substrates etc., or in case of a different application, consult Sika's Technical Service prior to using Sika products. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca.

SIKA CANADA INC.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9

Other locations
Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

1-800-933-SIKA
www.sika.ca

Certified ISO 9001 (CERT-0102780)
Certified ISO 14001 (CERT-0102791)