BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET
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CONCRETE FINISHING

SikaFilm®

WATER-DILUTABLE, EVAPORATION RETARDANT AND FINISHING AID FOR CONCRETE

Description

SikaFilm® is a specifically formulated proprietary emulsion. When diluted with water and applied to fresh concrete, it reduces moisture loss to assist curing and helps in finishing the treated surface. SikaFilm® operates to produce dense, high quality concrete flatwork without adverse effect upon strength or durability.

Where to Use

SikaFilm® protects concrete from the effects of excessive moisture loss in rapid drying conditions or where using reduced moisture materials including:

- High temperatures
- Low humidity
- Strong winds
- Direct sunlight
- Heated interiors
- Low water:cement ratio concrete
- Dry-shake hardeners or toppings
- Superplasticised or silica fume modified concrete mixes.

- SikaFilm® is also recommended for use in all applications where a superior finish is required.

Advantages

- Eliminates addition of water or sprinkling surface of low slump concrete to assist finishing.
- Prevents or reduces plastic shrinkage cracking.
- Restricts crusting of concrete during elevated temperatures and high winds.
- Provides extended opportunity for finisher to work before concrete starts to set.
- Aids in finishing little or no bleed water concrete, including microsilica and air-free mixes.

Technical Data

Packaging	18.9 L (5 US gal.) pails and 208 L (55 US gal) drums
Colour	Orange liquid
Yield	148 - 277m² (1600 - 3200 ft²) / 3.78 L (1 US gal) of SikaFilm®. Coverage rates based upon diluting 1 part SikaFilm® to 8 parts water by volume and may vary according to surface profile and porosity. Coverage rates outside of those stated above may be used when project specific conditions require. Contact Sika Canada Technical Services for guidance.
Shelf Life	2 years in original, unopened packaging. Store dry at between 10 - 27 °C (80 - 60 °F). Protect from freezing. If frozen, discard.

Properties at 23 °C (73 °F) and 50 % R.H.

Specific Gravity	Approx. 1.1 kg/L

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

HOW TO USE

Mixing

SikaFilm® must be stirred thoroughly before dilution to ensure all settlement is removed from the bottom of the container and all solids are evenly distributed throughout the material. Within a suitably sized mixing container, add one part SikaFilm® to eight parts clean, potable water (parts by volume). Stir the blended material frequently during use, especially after lapses in application, ensuring that an homogeneous and even consistency are maintained.

Application

Apply the diluted SikaFilm® solution to concrete immediately, or as soon as possible, after screeding and use during and following bull floating or trowelling operations. Use a fine misting or low pressure sprayer to apply, ensuring constant pressure and uniform coverage. Where drying conditions are severe, SikaFilm® may be applied between finishing works and on dry-shake floor hardeners, the material must be applied after the hardener has been floated but prior to initial set.

Clean Up	Prior to drying; equipment can be cleaned with soap and water. Where spillage occurs on hardened concrete, immediately wipe off the SikaFilm® and rinse thoroughly with clean water.
Limitations	▪ SikaFilm® must not be allowed to freeze during storage or transportation. Frozen material may result in varying consistency, performance and appearance. ▪ While retarding the evaporation of moisture, SikaFilm® is not a curing compound and treated concrete must be cured in accordance with good practice and/or the project specification. ▪ SikaFilm® is not a surface retarder and should not be used as such. Contact Sika Canada Technical Services for product recommendations for curing compounds and surface retarders.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data. KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY

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

Other locations
Toronto
Edmonton
Vancouver

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

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