

PRODUCT DATA SHEET

SikaCem[®]-102 First Seal[®]

Reactive water-based silane-siloxane penetrating sealer for use on unsealed concrete or cementitious overlays

PRODUCT DESCRIPTION

SikaCem[®]-102 First Seal[®] is a reactive water-based water repelling sealer for use on unsealed concrete or cementitious overlays. SikaCem[®]-102 First Seal[®] may be applied as soon as 24 hours after concrete placement. SikaCem[®]-102 First Seal[®] reacts with the concrete creating a water resistant surface and a hydrophobic interior, reducing water and chemical absorption and limiting the damaging effects caused by freeze-thaw cycling and de-icing salts. SikaCem[®]-102 First Seal[®] promotes excellent adhesion when applied prior to the application of SikaCem[®] acrylic sealers. Previously named Clear Guard[®] First Seal[®] Reactive Penetrating Sealer and SCOFIELD[®] Repello[®] FPS.

USES

- Compatible with integrally colored concrete, color hardened concrete, stamped or stenciled concrete, and cementitious overlays
- Residential or commercial projects, interior floors, and exterior hardscapes
- Driveways, sidewalks, patios, pavers, precast units, natural stone, cultured stone and other concrete surfaces
- Adhesion promoting primer for acrylic sealers

CHARACTERISTICS / ADVANTAGES

- Low VOC, low odor
- Non film forming
- Limits erosion caused by de-icing chemicals
- Milky white liquid which dries clear
- Does not enhance the color of the surface
- Provides good economical protection on exterior hardscapes, thereby reducing maintenance costs

PRODUCT INFORMATION

Chemical Base	Water-Based Silane-Siloxane
Packaging	1 gal. (3.8 L) fill in 1 gal. (3.8 L) plastic jug 5 gal. (18.9 L) fill in 5 gal. (18.9 L) plastic pail 275 gal. (1041 L) fill in 275 gal. (1041 L) caged IBC tote
Shelf Life	24 months in original unopened container

Storage Conditions

Store in original, unopened containers at temperatures between 45-90°F (7-32°C). Do not freeze.

APPLICATION INFORMATION

Recommended Dosage

200-400 ft²/gal. (4.9-9.8 m²/L). Can vary based on surface texture and porosity, ambient conditions and method of application.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- SikaCem®-102 First Seal® may not react on old concrete that is low in alkalinity.
- Do not apply if rain is expected within 4 hours of application.
- Dew point must be 62 or lower for a minimum of 4 hours before and after product application.
- Material temperatures should be at least 50°F (10°C) during use.
- Do not thin.
- Do not allow SikaCem®-102 First Seal® to puddle and dry on the concrete surface.
- SikaCem®-102 First Seal® shall not be used with SikaColor® reactive acid stains or other acidic-based products.
- Do not apply over SikaColor® water-based stains or other stains that prevent penetration into the concrete.
- Do not use in swimming pools, fountains or ponds.
- Do not use on surfaces that will have direct food contact.
- Do not use for re-coating or in conjunction with other floor sealers, treatments, bond breakers, or adhesives unless properly tested prior to application.
- SikaCem®-102 First Seal® should not be used as a curing compound.
- Do not use SikaCem®-102 First Seal® if it has been frozen.
- SikaCem®-102 First Seal® must dry completely before it is subjected to temperatures below 45°F (7°C) or moisture from any source.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Protect all areas not intended to be sealed from over spray, splash or wind drift. Concrete must be free of dirt, grease, oil residue, curing or sealing compounds and other substances that would diminish penetration. Surface should be clean, dry and absorbent. On stamped concrete be sure all release agents are thoroughly washed and scrubbed from the surface. Surface must be completely dry prior to application so that the material may absorb deep into the concrete.

MIXING

Mix at low speed. Do not create foam.

APPLICATION

SikaCem®-102 First Seal® should be applied at ambient conditions between 45-90°F (7-32°C) during application and 24 hours after. SikaCem®-102 First Seal® may be applied by roller, brush or spray. If applying by roller, a minimum of ½" nap is recommended. If spray applying, flood evenly with a fan pattern overlapping each pass. Spray application should be back rolled to eliminate any puddling. For extremely porous surfaces, a second coat may be required and must be applied within 8 hours of initial application.

Overlays

Two coats of SikaCem®-102 First Seal® are recommended.

Primer Application

Refer to application method above. SikaCem®-102 First Seal® shall be dry to touch prior to application of SikaCem® acrylic sealers.

MAINTENANCE

Wipe up all chemical solvent or petroleum spills as soon as possible. Remove abrasive debris by sweeping or vacuuming. Do not drag, drop or place sharp edges on concrete surfaces. Periodic washing with mild detergent will help maintain surface appearance. Do not use solvent or acid-based cleaning materials. If it becomes apparent that water is readily being absorbed into the concrete, it is time to reapply SikaCem®-102 First Seal®

following instructions above. Do not apply SikaCem®-102 First Seal® if the concrete has been previously sealed.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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