BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-959 Formula One™ Guard W

Polymeric water and stain-resistant burnishing finish designed to protect polished concrete surfaces

PRODUCT DESCRIPTION

Sikafloor®-959 Formula One™ Guard W is a polymeric, water and stain-resistant burnishing finish formulated to protect and enhance smooth, ground, and polished concrete surfaces. Its organo-silicate hybrid composition combines the densifying and abrasion resistance of lithium silicate with the stain-blocking performance of self-crosslinking organic systems.

Applied after application of a quality concrete densifier, Sikafloor®-959 Formula One™ Guard W shall be polished to the desired gloss level with high-speed floor burnishing equipment. Properly installed, a thin yet durable film with good moisture transmission properties remains. This film will not crack, peel, or delaminate under normal conditions. Previously named SCOFIELD® Formula One™ Guard-W and Sikafloor®-958 PG.

USES

Use as a final concrete polish to guard and protect interior:

- Smooth ground concrete floors
- Ground flat exposed aggregate
- Ground smooth embedded terrazzo
- Ground smooth cementitious overlays
- Countertops

CHARACTERISTICS / ADVANTAGES

- Adds water and stain resistance
- Low-odor, non-yellowing water-based formulation
- Breathable thin film forming surface treatment
- Bonds directly to cement and aggregate silicates
- Effectively locks in concrete dyes
- Shortens concrete polishing times
- Does not gum burnishing equipment
- UV light stable
- Apply by spray and mop

PRODUCT INFORMATION

Chemical Base	Lithium Silicate with Proprietary Water Repellent
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

Shelf Life	24 months in original unopened container
Storage Conditions	Store in original, unopened containers, in dry storage, between 40-120°F (4.4-48.9°C). Do not freeze.

APPLICATION INFORMATION

Coverage	Spread rate on flat finished concrete that has been ground, densified, and roughly polished with a 400 grit abrasive disk, is typically 1200-1500 sq. ft./gal. (29.5-36.8 sq. m/L). Coverage will depend upon method of application, surface porosity, age, moisture, absorption characteristics and the texture of the concrete. The application of two thin coats prior to burnishing is recommended. Slabs ground to expose hard non absorptive aggregates will take less material. For all uses and applications, spread or scrub puddles of excess material into surfaces before it is allowed to dry. Puddled material allowed to dry can form unsightly salts that are difficult to polish.
Waiting / Recoat Times	Allow the material to dry to touch, and apply a second coat. Take care not to create lap marks as they are difficult to remove once the product has dried. When the second application is dry, high-speed burnishing and polishing with progressively finer grit abrasive pads can begin.
Drying Time	Will depend upon weather conditions. At 70°F (21.1°C) and 50% relative humidity, surfaces shall be dry, cured, and able to be polished in 1 hour. Sikafloor®-959 Formula One™ Guard W has a self crosslinking component, best results will be achieved if the final high-gloss polishing is performed after an overnight dry.

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

- Sikafloor®-959 Formula One™ Guard W is not a curing compound.
- Sikafloor®-959 Formula One™ Guard W is intended only for use on ground and polished concrete.
- Sikafloor®-959 Formula One™ Guard W is a penetrating and reactive material that functions without forming any appreciable film or coating.
- Sikafloor®-959 Formula One™ Guard W is not intended for use on underwater applications.
- Water and stain repellency of treated substrates will develop over time; 2 weeks is generally sufficient.
- Surfaces treated with Sikafloor®-959 Formula One™ Guard W shall not be cleaned with or exposed to acidic cleaners or substances.

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.

APPLICATION INSTRUCTIONS

Verify and approve suitability and appearance by making jobsite test sections prior to general application. Test sections must be of adequate size to be representative and be produced by the same workers who will apply product to the larger job. Test completed systems for wet and dry slip resistance to ensure they meet expectations. Do not proceed with products, techniques, or finishing systems that do not meet required safety specifications or site owner approval.

EQUIPMENT

Apply Sikafloor®-959 Formula One™ Guard W by low pressure pump-spray application, followed by thorough spreading and distribution with a microfiber mop or

floor wax applicator to work material into substrate pores.

High-speed burnishing equipment will be required along with coarse through super fine diamond impregnated polishing disks. Disks beginning with 400 grit, and progressively finer will be needed. Typical sequences of disks used include 400, 800, 1200, and 3000 grit. Final grit selection will determine final gloss.

Always wear protective clothing and personal protection equipment proper for the method of application and burnishing.

SUBSTRATE PREPARATION

For best results, all concrete shall be cured and at least 28 days old so that the slab has reached full hardness. Surfaces must be clean of all prior sealers, curing compounds, oils, or other foreign materials that might prevent penetration.

Surfaces shall be already be densified. If dyes have been used, they shall be locked in with a densifier and ground and polished with at least a high speed 400 grit diamond impregnated polishing pad prior to application of Sikafloor®-959 Formula One™ Guard W.

MIXING

Sikafloor®-959 Formula One™ Guard W shall be used full strength without dilution. For second pass or maintenance applications, product can be diluted 1:1 with potable water.

Mixing

If diluted, mix until uniform.

APPLICATION

Mask all areas not to be coated to safeguard against splashes, overspray, and runoff from application. Wear all required safety equipment. Take care not to allow tape adhesive to interfere with surfaces to be treated. Surfaces wet with material will be slippery until dry.

Distribute product with a pump garden sprayer to fully saturate the surface. Spread material with flat microfiber pad or floor wax applicator. If too much material has been applied, and it is puddled after 30 minutes, dilution and removal with a wet vacuum is recommended.

When the first application is dry to touch, a second coat can be applied to maximize densification properties. If used as a polishing aid, wet polishing can begin when dry to touch.

CLEANING OF TOOLS

Clean equipment with warm water and detergent immediately after application.

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.

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 Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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