

PRODUCT DATA SHEET

Sikafloor®-931 Finishing Aid

Finishing aid, floor hardener, and densifier for concrete flooring

PRODUCT DESCRIPTION

Sikafloor®-931 Finishing Aid is a densifier made from colloidal silica that simplifies and speeds up the process of smoothing and finishing concrete floors. Sikafloor®-931 Finishing Aid enables the effective application of larger quantities of dry-shake powder, resulting in a denser, harder, and glossier final floor surface.

USES

Sikafloor®-931 Finishing Aid may only be used by experienced professionals.

- Commercial and industrial polished concrete floors in dry-shake applications
- Finishing aid and densifier to improve dry shake floor applications and surface finishing

CHARACTERISTICS / ADVANTAGES

- Very good enhancement of the workability with little to no water reduction
- Reduces the risk of surface delamination
- Increases surface gloss and floor surface density
- Enables the use of higher amounts of dry-shake powder
- Low odor
- Improves abrasion resistance and durability
- Increases the available time for finishing in critical conditions
- Reduces plastic shrinkage and cracking
- Slows moisture loss

ENVIRONMENTAL INFORMATION

- Contributes towards satisfying Materials and Resources (MR) Credit: Building Product Disclosure and Optimization — Material Ingredients under LEED® v4

PRODUCT INFORMATION

Chemical Base	Water-Based Colloidal Silica
Packaging	5 gal. (18.9 L) fill in 5 gal. (18.9 L) plastic pail
Appearance / Color	Milky white
Shelf Life	12 months in original unopened container
Storage Conditions	Store in original, unopened containers, in dry storage, between 41-104°F (5-40°C). Do not freeze.

TECHNICAL INFORMATION

Water retention	Water retention efficiency index after 6 hours	17.4 %	(CEN/TS 14754-1)
	Water retention efficiency index after 24 hours	15.2 %	(CEN/TS 14754-1)
	Water retention efficiency index after 72 hours	12.2 %	(CEN/TS 14754-1)

APPLICATION INFORMATION

Coverage	200 sq. ft./gal. (4.9 sq. m/L) complete @ 700 sq. ft./gal. (17.2 sq. m/L) per lift Coverage data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage, or any other variations. Apply Sikafloor®-931 Finishing Aid to a test area to calculate the exact coverage for the specific substrate conditions and proposed application equipment.
Product Temperature	41-95°F (5-35°C)
Ambient Air Temperature	41-104°F (5-40°C)
Substrate Temperature	41-95°F (5-35°C)

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

Maximum Application Quantity

Do not apply more than 611.2 sq. ft./gal. (15 sq. m/L) per single application. Sikafloor®-931 Finishing Aid can be used in multiple stages together with Sikafloor®-3 QuartzTop Design.

Spraying Equipment

Do not use sprayers that have previously been used to spray silicones or release agents. Ensure that spraying equipment is cleaned thoroughly before use and that any previous membrane residues are removed.

Do Not Mix With Other Products

Do not mix Sikafloor®-931 Finishing Aid with other surface hardeners.

Damage Caused By Overspray

Substrates such as glass, aluminum, and polished surfaces can become etched when exposed to the uncured Sikafloor®-931 Finishing Aid.

1. Clean off overspray with water immediately from glass, aluminum, or highly polished surfaces

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

EQUIPMENT

- Low-pressure sprayer

SUBSTRATE PREPARATION

Fresh Concrete

The concrete must be designed to support power floating and tamping techniques, as well as dry-shake application, which may be required to improve concrete properties. Bleed water must be removed before applying a dry-shake to fresh concrete.

APPLICATION

Existing, Cured Concrete

1. Take care not to produce puddles. Spray Sikafloor®-931 Finishing Aid with a low-pressure sprayer in a single application, ensuring the surface is sufficiently wet.
2. Avoid spreading once drying begins. Spread Sikafloor®-931 Finishing Aid evenly with a microfiber mop, ensuring uniform wetting.
3. If surfaces dry immediately, apply more Sikafloor®-931 Finishing Aid. The surface must remain wet for 15-20 minutes.
4. Allow treated surfaces to dry.
5. Remove any dried powder residue from the surface using a stiff broom, power-sweeper, or floor scrubbing machine.
6. For strongly absorbent floors, apply a second application.
7. This is a dry-polish operation. For immediate enhanced shine, buff or burnish the dry concrete surface in perpendicular directions using a burnishing tool equipped with an appropriate polishing pad (for example, 800#-3000# diamond impregnated).

New Concrete

1. Take care not to produce puddles. Spray Sikafloor®-931 Finishing Aid with a low-pressure sprayer in a single application, sufficient to wet the surface, at the following stages:
 - Immediately after the application of the concrete
 - During dry-shake applications
 - During the finishing process, to achieve the desired gloss level
2. Finish the floor using power floating, manual floating, or tamping techniques.
3. During polishing and grinding, do not apply any additional densifiers, as the dry-shake hardener is densified with the Sikafloor®-931 Finishing Aid during placement. Polish and grind the surface 7 to 10 days after casting (using the wet method) to achieve a higher level of surface uniformity and gloss.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

OTHER RESTRICTIONS

See Legal Disclaimer.

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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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