

PRODUCT DATA SHEET

Sikafloor®-931 Finishing Aid

Finishing aid, floor hardener and densifier for concrete flooring

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. The Product allows for the effective application of larger quantities of dry-shake powder, resulting in a final floor surface that is denser, harder, and glossier.

USES

Sikafloor®-931 Finishing Aid is used on commercial and industrial polished concrete floors in dry-shake applications.

Please note:

- The Product may only be used by experienced professionals.

FEATURES

- 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 odour
- Improves abrasion resistance and durability
- Increases the available time for finishing in critical conditions
- Reduces plastic shrinkage and cracking
- Slows moisture loss

SUSTAINABILITY

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

PRODUCT INFORMATION

Composition	Water-based colloidal silica	
Packaging	One Part Container	25 kg container or 200 kg drum
	Refer to the current price list for available packaging variations.	
Appearance and colour	Colour	Milky white
Shelf life	12 months from date of production	
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +40 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Density	1.1 kg/l	(EN ISO 2811-1)
Appearance	Appearance	Liquid

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 %	
	Water retention efficiency index after 72 hours	12.2 %	

APPLICATION INFORMATION

Consumption	25–50 g/m ² per application Note: Consumption 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 the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.		
Material temperature	Maximum	+35 °C	
	Minimum	+5 °C	
Ambient air temperature	Maximum	+40 °C	
	Minimum	+5 °C	
Substrate temperature	Maximum	+35 °C	
	Minimum	+5 °C	

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

- Low-pressure sprayer

SUBSTRATE PREPARATION

FRESH CONCRETE

The concrete must be designed for flooring to support powerfloating and tamping techniques, as well as dry shake application which might be required to improve concrete properties. When applying a dry shake, apply it to fresh concrete to remove bleeding water.

APPLICATION

IMPORTANT

Maximum application quantity

Do not apply more than 70 g/m² (15 m²/L) per single application. The Product can be used in multiple stages together with Sikafloor® Dryshake.

IMPORTANT

Spraying equipment

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

IMPORTANT

Do not mix with other products

Do not mix the Product with other surface hardeners.

IMPORTANT

Damage caused by over-spray

Substrates such as glass, aluminum and polished surfaces can become etched when exposed to the uncured Product.

1. Clean off over-spray with water immediately from glass, aluminum or highly polished surfaces

EXISTING, CURED CONCRETE

1. **IMPORTANT** Take care not to produce puddles. Spray the Product with a low pressure sprayer in a single application, sufficient to wet the surface (consumption ~100 g/m²)
2. **IMPORTANT** Avoid spreading once drying begins. Spread the Product evenly with a micro fibre mop and ensure uniform wetting.
3. If surfaces dry immediately, apply more Product. 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. **IMPORTANT** This is a dry polish operation. For immediate enhanced shine, buff or burnish the dry concrete surface in perpendicular directions by using burnishing equipped with an appropriate polishing pad (for example 800#–3000# diamond impregnated).

NEW CONCRETE

1. **IMPORTANT** Take care not to produce puddles. Spray a single application of the Product (15–30 m²/L) with a low pressure sprayer, at the following stages:
 - a. Immediately after the application of the concrete.
 - b. During dryshake applications.
 - c. During the finishing process, to achieve the desired gloss level.
2. Finish the floor using power floating, manual floating or tamping techniques.
3. **IMPORTANT** During polishing and grinding, do not apply any additional densifiers, as the dry shake hardener is densified with the Product during placement. Polish and grind the surface 7 days to 10 days after casting (wet method) to achieve a higher level of surface uniformity and glossiness.

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, 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. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. 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.

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