

PRODUCT DATA SHEET

Sikafloor®-958 PG (CZ)

Water-repellent stain-resistant polymeric burnishing finish for protecting polished concrete floors

DESCRIPTION

Sikafloor®-958 PG (CZ) is a 1-part, densifying, water-repellent, stain-blocking polymeric burnishing finish. It is used for protecting and preserving smooth-ground and polished concrete surfaces. It forms a thin, abrasion-resistant and durable film with good moisture transmission.

USES

The Product is used as a final concrete polish to protect the following floors:

- Smooth and ground concrete floors, dry shake terrazzo and cementitious overlays
- Industrial floors and warehouses
- Mineral floors in commercial areas

CHARACTERISTICS / ADVANTAGES

- Good resistance to staining
- Low odour
- Very good yellowing resistance
- Permeable to water vapour
- Good bond strength
- Good UV stability
- Easy application

ENVIRONMENTAL INFORMATION

- Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by Institut für Bauen und Umwelt e.V. (IBU)
- Contributes towards satisfying Materials and Resources (MR) Credit: Building Product Disclosure and Optimization — Material Ingredients under LEED® v4

PRODUCT INFORMATION

Chemical Base	Lithium silicate with proprietary polymeric polish and water repellent	
Packaging	5 kg, 15 kg or 1000 kg container Refer to the current price list for available packaging variations.	
Appearance / Colour	Appearance and colour	Whitish liquid
	Cured colour	Transparent
Shelf Life	18 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 packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Density	1.04 kg/l	(EN ISO 2811-1)

APPLICATION INFORMATION

Mixing Ratio	First coat	Undiluted
	Second or maintenance coat	Dilute 1 : 1 with water
Consumption	First coat	40 g/m ²
	Second or maintenance coat	40 g/m ²
<p>Applied to surfaces after grinding or polishing with a 400 grit pad or flat concrete that has been ground and densified.</p> <p>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.</p>		
Product Temperature	Maximum	+30 °C
	Minimum	+10 °C
Ambient Air Temperature	Maximum	+30 °C
	Minimum	+10 °C
Relative Air Humidity	Maximum	80 %
Dew Point	<p>Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.</p>	
Substrate Temperature	Maximum	+30 °C
	Minimum	+10 °C
Substrate Moisture Content	<p>For optimal penetration the substrate must be as dry as possible. A slightly damp substrate is acceptable but will reduce penetration.</p>	
Waiting Time / Overcoating	<p>Whenever a second coat is required, allow the first coat to become touch dry prior to the application of the second coat.</p>	
	Minimum waiting time before burnishing (at +20 °C and 50 % r.h.)	1 hour
	Optimum waiting time for final high gloss polish (at +20 °C and 50 % r.h.)	12 hours
	<p>Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.</p>	
Applied Product Ready for Use	Substrate temperature	Fully serviceable
	+20 °C	~1 hour
<p>Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.</p>		

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

MIXING

- Single-paddle electric mixer

APPLICATION

- Masking equipment
- Pump garden sprayer
- Flat microfiber pad or floor wax applicator
- Wet vacuum cleaner

BURNISHING

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

MAINTENANCE

- Cleaning equipment such as rotary brushes, mechanical scrubbers, scrubber dryers, or high-pressure washers
- Detergents and waxes

SUBSTRATE QUALITY

Surfaces must be sound, clean, free from frost, laitance, surface water, oils, grease, coatings, all loosely adhering particles and other surface contaminants.

MIXING

FIRST COAT

The Product is supplied ready-to-use.

1. **IMPORTANT** Use the Product within 30 days of opening it. Shake the container well before use.

SECOND COAT OR MAINTENANCE COAT

Dilute the Product before use.

1. **IMPORTANT** Use the Product within 30 days of opening it. Dilute the Product 1 : 1 with clean water.
2. Mix the solution with a single-paddle electric mixer until combined.

APPLICATION

IMPORTANT

Ventilation in confined spaces

Always ensure good ventilation when applying the Product in a confined space.

Performance variation

Note: The Product's effectiveness depends on the substrate porosity and absorption as well as the treatment during the burnishing and polishing process. This can result in different levels of colour enhancement and stain resistance.

1. In the absence of experience or in case of doubt, complete a trial area before applying the Product fully.

Preconditions

Surfaces must be densified. If dyes have been used, they must be locked in with a densifier and ground and polished with at least a high-speed 400 grit diamond-impregnated polishing pad.

1. Mask all areas not to be coated to avoid splashes, overspray, and runoff from application. Make sure that tape adhesive does not interfere with surfaces to be treated.
2. Distribute the Product with a pump garden sprayer to fully saturate the surface.
Note: Surfaces wet with material will be slippery until dry.
3. Spread material with a flat microfiber pad or floor wax applicator.
4. If the Product has formed puddles after 30 minutes, dilute them with water and remove with a wet vacuum cleaner.
5. Apply a second coat when the Product is touch-dry. Make sure not to create lap marks as they are difficult to remove once the Product has dried.
6. When the second coat is dry, begin high-speed burnishing and polishing using abrasive pads with progressively finer grit.

CLEANING OF TOOLS

Clean equipment with warm water and detergent immediately after application.

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BUILDING TRUST



MAINTENANCE

IMPORTANT

Corroded Product due to exposure to acid

1. Do not use acid based substances to clean the Product.

Remove all spillages immediately after application to maintain the appearance of the floor.

Regularly clean the floor using equipment such as rotary brushes, mechanical scrubbers, scrubber dryers, or high-pressure washers in combination with suitable detergents and waxes.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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