

PRODUCT DATA SHEET

Sikafloor®-933 Densifier

Hardener and Densifier for Cementitious Floor and Polished Concrete

DESCRIPTION

Sikafloor®-933 Densifier is a modified colloidal silica-based densifier, specially formulated to provide an easier, faster and improved flat-work and finishing of the concrete floor. The use of the product enables reliable application of cementitious flooring and makes the final floor surface denser, harder, and glossier (when treated as polished concrete).

USES

Sikafloor®-933 Densifier may only be used by experienced professionals.

The product can be used on commercial and industrial cementitious concrete floors.

FEATURES

- Enhances workability and finishing
- Reduces the risk of delamination on surface
- Increases surface gloss (in polished concrete) and density
- Low odour
- Improves abrasion resistance and durability
- Increases the available time for finishing in critical conditions
- Reduces plastic shrinkage and cracking

PRODUCT INFORMATION

Composition	Water-based modified colloidal silica
Packaging	20 L jerrycan 200 L drum
Appearance and colour	Liquid / Clear
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 +30 °C. Always refer to packaging. Refer to current Safety Data Sheet for information on safe handling and storage.
Density	~1.1 kg/l (EN ISO 2811-1)

APPLICATION INFORMATION

Consumption	~14.3 – 28.6 m ² /l Note: These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.	
Ambient air temperature	Minimum	+5 °C
	Maximum	+40 °C
Relative air humidity	Maximum	100 %
Substrate temperature	Minimum	+5 °C
	Maximum	+35 °C

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

- Performance enhancement of the substrates can vary greatly depending on the age, cement content, humidity content, porosity, and penetration of the product into the substrate
- The Product will increase abrasion resistance compared to untreated concrete of the same type, however, the Product cannot compensate performance of a poor substrate made with low cement content. It is not recommended to apply on substrates which are lightweight, extremely porous or have worn (aggregate exposed) surfaces
- The Product will not hide serious staining or excessive wear
- This Product is not a curing compound

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

IMPORTANT

Strictly follow installation procedures.
Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

EQUIPMENT

Low pressure sprayer

SUBSTRATE QUALITY / PRE-TREATMENT

Fresh concrete

The concrete must be designed for flooring, allowing for powerfloat and tamping techniques, and if needed dryshake applications.

APPLICATION

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

Remove over-spray.

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

New concrete

1. Spray the Product with a low pressure sprayer immediately after flattening of the fresh concrete, and during finishing to gloss level.
2. At every stage, spray a single application (~14.3 – 28.6 m²/l). **IMPORTANT:** Take care not to produce puddles.
3. Finish the floor with power or manual floating/tamping techniques.
4. To achieve a higher level of surface uniformity and glossiness, polish and grind the surface 7 to 14 days (depending on concrete design properties) after casting (wet polish method).

CLEANING OF EQUIPMENT

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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