BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor® ProSeal-22

Curing and sealing compound for concrete floors

DESCRIPTION

Sikafloor® ProSeal-22 is a one-part, solvent-based, clear, acrylic resin polymer solution. It is used to cure, harden and seal fresh or hardened concrete.

USES

Sikafloor® ProSeal-22 may only be used by experienced professionals.

Sikafloor® ProSeal-22 is used for curing and sealing fresh concrete floors and structures.
Sikafloor® ProSeal-22 is used as a:

- Curing compound to limit surface drying and cracking
- Curing and sealing compound for Sikafloor® dry-shake hardeners
- Anti-dust treatment
- Treatment for improving the abrasion resistance of existing concrete surfaces

Sikafloor® ProSeal-22 is used for interior and exterior applications.

FEATURES

- Excellent moisture retention
- Helps control dusting for both new and existing concrete floor surfaces
- Effectively cures and seals concrete surfaces in a single, economic operation
- Good resistance to abrasion
- Quick drying
- Good adhesion to old and new concrete
- Easy application by spray or roller

SUSTAINABILITY

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

PRODUCT INFORMATION

Composition	Solvent-based, clear acrylic resin	
Packaging	One Part Container	25 L pails and 200 L drums
	Refer to the current price list for available packaging variations.	
Appearance and colour	Colour	Clear
	Cured colour	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 +25 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
Density	0.9 kg/L	(EN ISO 2811-1)

Solid content by mass	22 %	
Appearance	Appearance	Liquid

APPLICATION INFORMATION

Consumption	0.1–0.2 L/m² per coat 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.	
Yield	5–10 m²/L per coat	
Material temperature	Maximum	+25 °C
	Minimum	+10 °C
Ambient air temperature	Maximum	+30 °C
	Minimum	+10 °C
Relative air humidity	Maximum	80 % r.h.
Dew point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above the 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.	
Substrate temperature	Maximum	+25 °C
	Minimum	+10 °C
Waiting time to overcoating	+10 °C and 50 % r.h.	60 minutes
	+20 °C and 50 % r.h.	25 minutes
	+30 °C and 50 % r.h.	20 minutes
	Allow previous coats to become tack-free before applying additional coats. Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.	

Applied product ready for use

Temperature	Foot traffic	Full cure
+10 °C	4 hours	24 hours
+20 °C	3 hours	20 hours
+30 °C	2 hours	16 hours

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

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.

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

EQUIPMENT

SUBSTRATE PREPARATION
- High-pressure water or abrasive blast cleaning equipment
- Vacuum cleaner

MIXING
- Electric stirrer

APPLICATION
- Low-pressure spray unit
- Brush
- Roller

SUBSTRATE PREPARATION

FRESH CONCRETE
The surface must be free of bleed water and of sufficient strength to withstand finishing operations.
1. Finish the concrete using power floating, manual floating or tamping techniques.

HARDENED OR OLD CONCRETE
Surfaces must be sound, open textured, clean, free from frost, laitance, surface water, oil, grease, coatings, all loosely adhering particles and other surface contaminants.
1. Prepare the substrate using suitable mechanical preparation techniques such as high-pressure water or abrasive blast cleaning equipment.
2. Completely remove all dust, dirt, loose and friable material from all surfaces with a brush or vacuum cleaner.
3. If in doubt, apply a test area first.

MIXING

1. Stir thoroughly for 2 minutes with an electric stirrer at low speed (approx. 300 rpm).

APPLICATION

IMPORTANT
Incompatibility with other substances
Contact with certain substances impairs the Product's performance or that of the other substance.
1. Do not use sprayers which have been used to spray silicones or release agents.
2. Clean spraying equipment thoroughly before use and remove residues of previous membranes.
3. Do not mix differing formulations of Sika® or other curing membranes.
4. Remove the Product before applying a coating system.

IMPORTANT
Hot weather working above +25 °C
In hot weather conditions gelling may occur before material has penetrated sufficiently.
1. Observe the recommended storage and application temperatures.

Yellowing on white and non-absorbent substrates
Note: Some yellowing may be perceptible if the Product is applied to white and non-absorbent substrates in exteriors.

Cold weather working below +10 °C
Note: At low temperatures the product may thicken and be difficult to spray.
1. Observe the recommended storage and application temperatures.

Effects of exposure over time
Note: The Product increases abrasion resistance compared to uncoated C25 concrete, but will gradually degrade and be removed by exposure to environmental conditions and traffic.

Preconditions
If applying to fresh concrete, apply immediately after completing finishing techniques.
If applying to concrete topped with a dry-shake hardener, apply immediately after completing power-floating.
1. Apply the Product in a continuous, even film using a low-pressure spray unit, brush or roller. Note If applying by spray equipment, check its suitability by applying to a trial area.
2. Wait for the first coat to dry tack-free.
3. To achieve the highest visual aesthetics and performance, apply a second coat.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Thinner C 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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