

PRODUCT DATA SHEET

Sikafloor® ProSeal

Curing and sealing compound for concrete floors

PRODUCT DESCRIPTION

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

USES

Sikafloor® ProSeal may only be used by experienced professionals.

- Sikafloor® ProSeal is used for optimum curing and sealing of fresh concrete floors and structures.
- Curing compound in order to limit surface drying and cracking.
- Provides curing and sealing for Sikafloor® dry shake hardeners (i.e. Sikafloor®-3 QuartzTop, Sikafloor®-2 SynTop, Sikafloor®-1 MetalTop and Sikafloor®-Fibre-Shield).
- Anti-dust treatment and improvement of the abrasion resistance of existing concrete surfaces.
- Suitable for exterior and interior application.

PRODUCT INFORMATION

Chemical Base	Solvent based acrylic resin
Packaging	25 litre metal pails and 200 litre metal drums.
Shelf Life	12 months from date of production, if stored properly in original, unopened and undamaged sealed containers
Storage Conditions	Store in dry conditions at temperatures between +5°C and +25°C. Protect from frost.
Appearance / Colour	Clear Liquid
Density	~ 0.9 kg/l (at +20°C)

CHARACTERISTICS / ADVANTAGES

- Excellent moisture retention.
- Curing Efficiency to ASTM C-156 is 75%.
- Good adhesion to old and new concrete.
- Quick drying.
- Helps control dusting for both new and existing concrete floor surfaces.
- Effectively cures and seals concrete surfaces in a single, economic operation.
- Non-yellowing.
- Easy application by spray or roller.

APPROVALS / STANDARDS

Tested for water retention according to ASTM C-156 for curing liquids type 1 class.

Conforms to the requirements of EN 13813 SR - B 1.5. Epoxy textured roller and seal coat according to EN 13813:2002, DoP 02 08 03 04 005 0 000004 1049 and provided with the CE-mark.

APPLICATION INFORMATION

Consumption	0.1 - 0.25 l/m ² /coat (4 - 10 m ² /l/coat).								
	Note: This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage, etc.								
Ambient Air Temperature	+ 10 °C minimum / + 30 °C maximum								
Relative Air Humidity	80% r.h. maximum								
Dew Point	Beware of condensation!								
	The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.								
Substrate Temperature	+ 10 °C minimum / + 30 °C maximum								
Waiting Time / Overcoating	Allow previous coats to become tack-free before applying additional coats.								
	<table><thead><tr><th>Substrate Temperature</th><th>+ 10 °C</th><th>+ 20 °C</th><th>+ 30 °C</th></tr></thead><tbody><tr><td>Time</td><td>~ 60 minutes</td><td>~ 25 minutes</td><td>~ 20 minutes</td></tr></tbody></table>	Substrate Temperature	+ 10 °C	+ 20 °C	+ 30 °C	Time	~ 60 minutes	~ 25 minutes	~ 20 minutes
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Time	~ 60 minutes	~ 25 minutes	~ 20 minutes						
	Note: Times are approximate and will be affected by changing substrate and ambient conditions, particularly temperature and relative humidity.								

VALUE BASE

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.

LIMITATIONS

- In hot weather (i.e. above +25 °C), store Sikafloor® ProSeal in a cool place prior to use.
- In low temperatures (i.e. below +10 °C), the Product may thicken and be difficult to spray.
- Do not use sprayers, which have been used to spray silicones or release agents.
- Do not mix differing formulations of Sika® or other curing membranes.
- Ensure spraying equipment is cleaned thoroughly before use and residues of previous membranes are removed.
- Sikafloor® ProSeal must be removed prior to the application of a coating system.
- Sikafloor® ProSeal increases abrasion resistance compared to C20/25 concrete, but will gradually degrade and be removed by environmental exposure conditions and trafficking.
- As Sikafloor® ProSeal is a solvented Product, it may be unsuitable for application in confined spaces or areas with inadequate ventilation. Consideration should also be given to its use close to areas used for food preparation etc. due to odour. If you are in need of guidance on the suitability of this Product for your site, please contact the Sika® Flooring Technical Team at flooring.technical@uk.sika.com

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

SUBSTRATE QUALITY / PRE-TREATMENT

Fresh Concrete:

Surface must be free of bleed water and of sufficient strength to withstand finishing operations. The concrete must be prepared by suitable power or manual floating / tamping techniques.

Hardened / Old Concrete:

The substrate must be prepared by suitable mechanical preparation techniques such as high-pressure water-jetting or abrasive blastcleaning.

All dust, loose and friable material must be completely removed from all surfaces before application of the Product, preferably by brush and / or vacuum. If in doubt, apply a test area first.

MIXING

Sikafloor® ProSeal is supplied ready for use. Stir thoroughly before use for a minimum of 2 minutes using a low speed electric stirrer (~ 300 rpm).

APPLICATION

For fresh concrete, apply immediately after finishing techniques have been completed. Apply in a continuous even film by low-pressure spray unit. The suitability of spraying equipment must be confirmed by trials. Application is also possible by brush or roller. To achieve the highest visual aesthetics and performance, a second coat is recommended. Wait for first coat to dry tack-free before applying a second coat.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened / cured material can only be removed mechanically.

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, Sikafloor® ProSeal must have all spillages removed immediately and must be regularly cleaned using rotary brushes, mechanical scrubbers, scrubber dryers, high pressure washers, wash and vacuum techniques, etc., using 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.

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Product Data Sheet

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