

PRODUCT DATA SHEET

Sikafloor® ProSeal-12

Curing and sealing compound for concrete floors

PRODUCT DESCRIPTION

Sikafloor® ProSeal-12 is a solvent-based, clear acrylic resin polymer solution used to cure, harden and seal fresh or hardened concrete.

USES

Sikafloor® ProSeal-12 creates durable, wear-resistant and non-dusting surface to existing matured or fresh laid concrete floors or constructions.

- Suitable for protection against ingress (Principle 1, method 1.2 of EN 1504-9).
- Suitable for physical resistance (Principle 5, method 5.2 of EN 1504-9).

CHARACTERISTICS / ADVANTAGES

- Improves the hardening of the concrete.
- Improved abrasion resistance, dust prevention.
- Excellent moisture retention.
- It reduces substrate absorption and increases the resistance of oils.
- Easy application by spray or roller.
- Quick drying.
- Cost-effective.
- Available in different sized packaging for convenience.

APPROVALS / STANDARDS

Declaration of Performance No. 40446939. Certified by Factory Production Control Body No.1020, certificate 1020-CPR-020025682 and provided with CE-mark. Meets the requirements of EN 1504-2 - Impregnation.

PRODUCT INFORMATION

Chemical Base	Solution of acrylic resin in aromatic hydrocarbons.	
Packaging	Can: 5 l and 15 l Drum: 200 l	
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 -10°C and +35°C	
Appearance / Colour	Transparent or slightly yellowish solution	
Density	~ 0.89 kg/l	
Solid content by mass	~12 %	EN ISO 3251

TECHNICAL INFORMATION

APPLICATION INFORMATION

Consumption	0.10 to 0.25 l/m ² /coat (4.0 to 10.0 m ² /l) Note: This figure is theoretical and does not include any additional material required due to surface porosity, surface profile, variations in level and wastage, etc.
Ambient Air Temperature	Sikafloor® ProSeal-12 can be applied at a broad range of temperatures (-10°C to +35°C). Significant prolongation / reduction of the drying time is expected when applied at temperature limits.
Relative Air Humidity	80 % relative humidity 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.
Waiting Time / Overcoating	The surface is touch dry after 1 to 2 hours at +20°C. Completely dry after 24 hours at +20°C.

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

- 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-12 must be removed before the application of a coating system.
- As Sikafloor® ProSeal-12 contains hydrocarbons, 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

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.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / Cat. H / Type sb) is, ready for use, 750 g/l (limit 2007/2010). The maximum content of Sikafloor® ProSeal-12, ready for use, is ≤750 g/l VOC.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete substrate should be free of bleed water and impurities. Sikafloor® ProSeal-12 should be applied either onto freshly laid concrete immediately after its final power trowelling (or floating), or on existing matured, still not treated concrete surface.

MIXING

Sikafloor® ProSeal-12 is supplied ready for use. Stir thoroughly before use.

APPLICATION

Fresh Concrete

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. The application on freshly laid concrete seals the surface and protects it from rapid water loss.

Hardened / Old Concrete

On hardened concrete, Sikafloor® ProSeal-12 provides surface hardening and dusting reduction. One coat is usually sufficient for treating concrete. Uneven application to fresh concrete can lead to discolouration of the surface during the concrete maturing process. The discolouration of concrete caused by uneven application is temporary. All dust, loose and friable material must be removed entirely from all surfaces before product application, preferably by brush and / or vacuum. If in doubt, apply a test area first.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika®Thinner C immediately after use. Hardened / cured 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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Product Data Sheet

Sikafloor® ProSeal-12
May 2024, Version 01.01
020815110020000019

SikafloorProSeal-12-en-GB-(05-2024)-1-1.pdf