

# 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 used to cure, harden and seal fresh or hardened concrete.

#### USES

Sikafloor® ProSeal-22 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 Anti-dust treatment and improvement of the abrasion resistance of existing concrete surfaces
- Suitable for exterior and interior application

#### CHARACTERISTICS / ADVANTAGES

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

#### PRODUCT INFORMATION

|                                |  |
|--------------------------------|--|
| <b>Chemical base</b>           | Solvent based, clear acrylic resin.  |
| <b>Packaging</b>               | 20 L metal pails and 200 L metal drums.  |
| <b>Appearance / Colour</b>     | Liquid / Clear   |
| <b>Shelf life</b>              | 12 months from date of production  |
| <b>Storage conditions</b>      | Store in original, unopened and undamaged sealed containers, in dry conditions at temperatures between +5 °C and +25 °C. |
| <b>Density</b>                 | ~0.9 kg/l (at +20 °C)  |
| <b>Solid content by weight</b> | ~22 %  |

#### SYSTEMS

|                         |                             |
|-------------------------|-----------------------------|
| <b>System Structure</b> | Curing compound 1 – 2 coats |
|-------------------------|-----------------------------|

## APPLICATION INFORMATION

|  |  |                     |                  |
|--|--|---------------------|------------------|
| <b>Consumption</b>   | 0.1 – 0.2 L/m <sup>2</sup> /coat<br>Requirements of relevant local standards and guidelines apply.<br>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. |                     |                  |
| <b>Yield</b>   | 5–10 m <sup>2</sup> /l coat  |                     |                  |
| <b>Ambient Air Temperature</b>   | +10 °C min. / +30 °C max.  |                     |                  |
| <b>Relative Air Humidity</b>   | 80 % max.  |                     |                  |
| <b>Dew Point</b>   | Beware of condensation!<br>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.   |                     |                  |
| <b>Substrate Temperature</b>   | +10 °C min. / +30 °C max.  |                     |                  |
| <b>Curing Time</b>   | <b>Substrate temperature</b>   | <b>Foot traffic</b> | <b>Full cure</b> |
|  | +10 °C   | ~4 h                | ~24 h            |
|  | +20 °C   | ~3 h                | ~20 h            |
|  | +30 °C   | ~2 h                | ~16 h            |
| Note: Times are approximate and will be affected by changing ambient and substrate conditions.                             |  |                     |                  |
| <b>Waiting Time / Overcoating</b>  | Allow previous coats to become tack free before applying additional coats.   |                     |                  |
|  | <b>Substrate temperature</b>   | <b>Waiting Time</b> |                  |
|  | +10 °C   | 60 min              |                  |
|  | +20 °C   | 25 min              |                  |
| +30 °C   | 20 min   |                     |                  |
| Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity. |  |                     |                  |

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

#### Fresh concrete

Surfaces 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

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

The substrate must be prepared by suitable mechanical preparation techniques such as high-pressure water or abrasive blasting cleaning equipment.

If in doubt apply a test area first.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

### MIXING

Sikafloor® ProSeal-22 is supplied ready for use. Stir thoroughly for 2 minutes with an electric stirrer with low speed (~ 300 rpm) before use.

### 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 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 second coat.

### CLEANING OF TOOLS

Clean all tools and application equipment with 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-22 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.

## LIMITATIONS

- In hot weather (above +25 °C) store Sikafloor® ProSeal-22 in a cool place prior to use.
- In low temperatures (below +10 °C) the product may thicken and reduce sprayability.
- 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-22 must be mechanically removed prior to the application of a coating system.
- Sikafloor® ProSeal-22 increases abrasion resistance compared to C25 concrete, but will gradually degrade and be removed by environmental exposure conditions and trafficking.
- Do not use outside over white and non absorbent substrates, as some yellowing may be perceptible.

## 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.

## 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 the exact product data and uses.

## 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 to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / h type sb) is 750g/l (Limits 2010) for the ready to use product.

The maximum content of Sikafloor® ProSeal-22 is < 750 g/l VOC for the ready to use product.

## 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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