BUILDING TRUST

PRODUCT DATA SHEET

# Sikafloor®-356 N

Polyurethane clear matt finish seal coat

## PRODUCT DESCRIPTION

Sikafloor®-356 N is a 2-part, clear, solvent-based, polyurethane, low-yellowing, chemical resistant, matt finish seal coat. For normal - medium wear conditions. Internal and external use.

## USES

Sikafloor®-356 N installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Matt finish seal coat for:
- Sikafloor® flooring systems
- Sikafloor® broadcast and sealed screeds in dry processing areas

## CHARACTERISTICS / ADVANTAGES

- For dry processing areas
- Tough-elastic
- Good mechanical and chemical resistance
- Low-yellowing
- Easy applied by roller
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## APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings
- Decontamination Ability DIN 25 415-1, Sikafloor®-356 N, Forschungszentrum Jülich GmbH, Test report No. 430.16.99.wü2

## PRODUCT INFORMATION

| | | |
|---|---|---|
| **Product Declaration** | EN 1504-2: Surface protection product for concrete - Coating<br>EN 13813: Resin screed material for internal use in buildings | |
| **Chemical Base** | Solvented polyurethane | |
| **Packaging** | Part A | 8 kg container |
| | Part B | 2 kg container |
| | Part A+B | 10 kg ready to mix unit |
| | Refer to current price list for packaging variations | |
| **Shelf Life** | 6 months from date of production | |
| **Storage Conditions** | The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. | |
| **Appearance / Colour** | Clear liquid | |

**Density**

| | | |
|---|---|---|
| Part A | ~1,13 kg/l | (DIN EN ISO 2811-1) |
| Part B | ~0,89 kg/l | |
| Mixed resin | ~0,97 kg/l | |

All Density values at +23 °C

## TECHNICAL INFORMATION

**Chemical Resistance**

Resistant to many chemicals. Contact Sika Technical Services for additional information.

**Systems**

Sikafloor®-356 N can be used with the following:
- Sikafloor® smooth epoxy or polyurethane coatings
- Sikafloor® broadcast systems
- Sikafloor® epoxy or polyurethane screeds

## APPLICATION INFORMATION

**Mixing Ratio**

Part A : Part B = 80 : 20 (by weight)

**Consumption**

**Seal coat on Sikafloor® smooth substrates**
~0,1–0,15 kg/m²
**Seal coat on Sikafloor® broadcast substrates**
~0,15–0,3 kg/m²
**General**
These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

**Ambient Air Temperature**

+10 °C min. / +30 °C max.

**Relative Air Humidity**

80 % max.

**Dew Point**

Beware of condensation.
The substrate and uncured applied 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 min. / +30 °C max.

**Substrate Moisture Content**

Surface of broadcast system to be sealed must be dry

**Pot Life**

| Temperature | Time |
|---|---|
| +10 °C | ~120 minutes |
| +20 °C | ~60 minutes |
| +30 °C | ~20 minutes |

**Waiting Time / Overcoating**

Before applying Sikafloor®-356 N on Sikafloor®-264 N, 381, 359, 378 allow:

| Substrate temperature | Minimum | Maximum |
|---|---|---|
| +10 °C | 48 hours | 3 days |
| +20 °C | 24 hours | 2 days |
| +30 °C | 16 hours | 2 days |

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

**Applied Product Ready for Use**

| Temperature | Foot traffic | Light traffic | Full cure |
|---|---|---|---|
| +10 °C | ~36 hours | ~5 days | ~10 days |
| +20 °C | ~24 hours | ~3 days | ~7 days |
| +30 °C | ~16 hours | ~2 days | ~3 days |

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

## VALUE BASE

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

## FURTHER DOCUMENTS

- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Sika Method Statement: Mixing & Application of Flooring Systems
- Sika® Method Statement: Sikafloor®-Cleaning Regime

## LIMITATIONS

- Freshly applied Sikafloor®-356 N must be protected from damp, condensation and water for at least 24 hours.
- Uncured material reacts in contact with water (foaming). During application care must be taken that no sweat drips into the fresh Sikafloor®-356 N. Wear head and wrist bands.
- Apply Sikafloor®-356 N to tack free Sikafloor®-264 N or 381, 359, 378
- Unevenness of the substrate and inclusions of dirt cannot be covered by thin sealer coats. Therefore the substrate and adjacent areas must be cleaned thoroughly prior to application.
- If temporary heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both $CO_2$ and $H_2O$ water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

**Regulation (EC) No 1907/2006 (REACH) - Mandatory training**

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit www.sika.com/pu-training.

### 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 / j type SB) is 500 g/l (Limits 2010) for the ready to use product.
The maximum content of Sikafloor®-356 N is < 500 g/l VOC for the ready to use product.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The applied broadcast resin floor (epoxy, polyurethane, polyurea-hybrid and polyurea resin) surface must be tack free, clean and dry.
If dust exists on the surface, it must be completely removed before application of the product, preferably by vacuum extraction equipment.

### MIXING

Prior to mixing all parts, mix Part A (resin) using a low speed single paddle electric stirrer (300 - 400 rpm) or other suitable equipment to mix liquid and all the coloured pigment until a uniform colour / mix has been achieved. Add Part B (hardener) to Part A and mix Part A + B continuously for 3,0 minutes until a uniformly coloured mix has been achieved. To ensure thorough mixing pour materials into a clean container and mix again for at least 1,0 minute to achieve a smooth consistent mix. Excessive mixing must be avoided to minimise air entrainment. During the final mixing stage, scrape down the sides and bottom of the mixing container with a straight edge trowel or spatula at least once to ensure complete mixing. Mix full units only. Mixing time for A+B = ~4,0 minutes.

### APPLICATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.
Prior to application, confirm substrate moisture content, relative air humidity, dew point, substrate, air and product temperatures.
After waiting the appropriate overcoating time, pour the mixed Sikafloor®-356 N onto the existing resin layer and spread evenly using a short piled nylon roller in two directions at right angles to each other.

**General**

A seamless finish can be achieved if a ‘wet’ edge is maintained during application.

### CLEANING OF TOOLS

Clean all tools and application equipment with 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 the 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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