

Product Data Sheet
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Sikafloor®-356 N

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2-part PUR transparent matt seal coat

Product Description Sikafloor®-356 N is a two part, tough elastic, transparent, solvent containing, polyurethane matt finish seal coat.

Uses

- Matt sealer for Sikafloor® smooth epoxy coatings
- Matt finish for Sikafloor® broadcast and sealed screeds in dry processing areas

Characteristics / Advantages

- Tough-elastic
- Good mechanical and chemical resistance
- Non-yellowing
- Easy application

Test

Approval / Standards Conforms to the requirements for decontamination ability (according to BS 4247, IRAS Ltd., St Hellens, UK and to DIN 25 415-1 Test report 4301699wü2, Forschungszentrum Jülich, Apr. 2000.

Product Data

Form

Appearance / Colours Resin - part A: transparent, liquid
Hardener - part B: transparent, liquid

Packaging Part A: 8.0 kg
Part B: 2.0 kg
Part A+B: 10 kg unipacks

Storage Conditions / Shelf Life 6 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Technical Data

Chemical Base PUR

Density Part A: ~ 1.13 kg/l
Part B: ~ 0.89 kg/l
Mixed Resin: ~ 0.97 kg/l (DIN EN ISO 2811-1)

All Density values at +23°C

Construction



System Information

System Structure

Seal coat of smooth EP coatings:
Base coat: Sikafloor®-261 or -162
Matt seal coat: 1 x Sikafloor®-356 N

Matt finish for sealed broadcast coatings in dry processing areas:
Base coat: e.g. Sikafloor®-261 + quartz sand
Seal coat: Sikafloor®-261 or -162
Matt seal coat: 1 x Sikafloor®-356 N

Application Details

Consumption / Dosage

| Coating System | Product | Consumption |
|--|------------------|-------------------------------|
| Seal coat for smooth coatings | Sikafloor®-356 N | 0.10 - 0.15 kg/m ² |
| Finishing of sealed broadcast coatings | Sikafloor®-356 N | 0.15 - 0.30 kg/m ² |

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Substrate Quality

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

If in doubt, apply a test area first.

Substrate Preparation

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

Application Conditions / Limitations

Substrate Temperature +10°C min. / +30 C max.

Ambient Temperature +10°C min. / +30 C max.

Relative Air Humidity 80% r.h. max.

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.

Application Instructions

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

Mixing Time Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved.

To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.

Over mixing must be avoided to minimise air entrainment.

Mixing Tools Sikafloor®-356 N must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Application Method / Tools Prior to application, confirm r.h. and dew point.

Seal coat / matt finish:
Uniformly spread Sikafloor®-356 N using a short pile nylon roller.

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

Cleaning of Tools

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

Potlife

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

Waiting Time / Overcoating

Before applying Sikafloor®-356 N on Sikafloor®-162 / -261 allow:

| Substrate temperature | Minimum | Maximum |
|-----------------------|----------|---------|
| +10°C | 48 hours | 4 days |
| +20°C | 24 hours | 3 days |
| +30°C | 18 hours | 2 days |

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

Notes on Application / 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 drops into fresh Sikafloor®-356 N (wear head and wrist bands)

Apply Sikafloor®-356 N to tack free Sikafloor®-261 or -162

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 heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

Curing Details**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 |

Note: Times are approximate and will be affected by changing ambient conditions

Cleaning / Maintenance**Methods**

To maintain the appearance of the floor after application, Sikafloor®-356 N must have all spillages removed immediately and be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc using suitable detergents and waxes.

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.

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.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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.

CE Labelling

The harmonized European Standard EN 13813 „Screed material and floor screeds - Screed materials - Properties and requirements“ specifies requirements for screed materials for use in floor construction internally.

Structural screeds or coatings, i.e. those that contribute to the load bearing capacity of the structure, are excluded from this standard.

Resin floor systems as well as cementitious screeds fall under this specification. They have to be CE-labelled as per Annex ZA. 3, Table ZA.1.5 and 3.3 and fulfil the requirements of the given mandate of the Construction Products Directive (89/106):

| | |
|---|-------------------|
| CE | |
| Sika Limited Watchmead Welwyn Garden City Hertfordshire AL7 1BQ United Kingdom | |
| 04 ¹⁾ | |
| EN 13813 SR-B1,5 | |
| Primer/Sealer (systems as per Product Data Sheet) | |
| Reaction to fire: | NPD ²⁾ |
| Release of corrosive substances (Synthetic Resin Screed): | SR |
| Water permeability: | NPD |
| Abrasion Resistance: | NPD ¹⁾ |
| Bond strength: | B 1,5 |
| Impact Resistance: | NPD |
| Sound insulation: | NPD |
| Sound absorption: | NPD |
| Thermal resistance: | NPD |
| Chemical resistance: | NPD |

¹⁾ Last two digits of the year in which the marking was affixed.

²⁾ No performance determined.

EU Regulation 2004/42

VOC - Decopaint Directive

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type **sb**) is 550 / 500 g/l (Limits 2007 / 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.



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