

Sikafloor®-302 W

2-Part PUR Transparent Matt Seal Coat

Product Description Sikafloor®-302 W is a two-part water based, very low solvent, polyurethane matt seal coat. Suitable for use in hot and tropical climates.

Uses

- Matt seal coat for Sikafloor® smooth screeds on epoxy or polyurethane base
- As matt finish for Sikafloor® broadcasted and sealed screeds for dry processing

Characteristics / Advantages

- Water based
- Low odour
- Good UV resistance, non-yellowing
- Easy to clean

Product Data

Form Liquid

Appearance / Colours Resin - Part A: white liquid
Hardener - Part B: yellowish liquid
Sikafloor®-302 W is silky-matt after final curing.

Packaging Part A: 8.0 kg
Part B: 2.0 kg
Part A+B: 10.0 kg ready to mix units

Storage

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 Polyurethane

Density (at +23°C) Part A: ~ 1.00 kg/l
Part B: ~ 1.05 kg/l
Mixed Resin: ~ 1.07 kg/l (DIN EN ISO 2811-1)

Resistance

Chemical Resistance Resistant against many chemicals. Please ask for a detailed chemical resistance table.



Thermal Resistance

Exposure*	Dry heat
Permanent	+50°C
Short-term max. 7 days	+70°C
Short-term max. 8 hours	+100°C

Short-term humid heat* up to +80°C where exposure is only occasional (steam cleaning etc.)

*No simultaneous chemical and mechanical exposure.

System Information

System Structure

Sealing of smooth EP / PUR coatings:

Base coat: e.g. Sikafloor®-261 or -300 N

Matt seal coat: 1 x **Sikafloor®-302 W**

Sealing of broadcast EP / PUR coatings:

Base coat: e.g. Sikafloor®-261 or -325 + broadcast quartz sand

Seal coat: Sikafloor®-261 / -162

Matt seal coat: 1 x **Sikafloor®-302 W**

Application Details

Consumption / Dosage

Coating System	Product	Consumption
Sealing of smooth surfaces	Sikafloor®-302 W	0.10 - 0.15 kg/m ² /layer
Sealing of broadcast surfaces	Sikafloor®-302 W	0.15 - 0.40 kg/m ² /layer

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and 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. Pull-off strength must be not less than 1.5 N/mm².

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 or vacuum.

Application Conditions / Limitations

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

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

Relative Air Humidity 75% max.

Dew Point

Beware of condensation!

The substrate and uncured floor must be at least 3°C above the 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 continuously mix 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.

After mixing give the material a rest for 10 minutes.

Over mixing must be avoided to reduce air entrainment.

Mixing Tools

Sikafloor®-302 W must be mechanically mixed using an electrical power stirrer (300 - 400 rpm) or other suitable equipment.

Application Method / Tools Prior to application confirm r.h. and dew point.
Seal coat:
 Uniformly spread **Sikafloor®-302 W** by 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 and application equipment with water immediately after use.
 Hardened / cured material can only be mechanically removed.

Potlife

Temperature	Time
+10°C	~ 30 minutes
+20°C	~ 15 minutes
+30°C	~ 10 minutes

Caution: End of potlife is not noticeable.

Waiting Time / Overcoatability Before applying **Sikafloor®-302 W** on Sikafloor®-261 allow:

Substrate temperature	Minimum	Maximum
+10°C	30 hours	4 days
+20°C	24 hours	3 days
+30°C	16 hours	2 days

Before applying **Sikafloor®-302 W** on Sikafloor®-300 N allow:

Substrate temperature	Minimum	Maximum
+10°C	48 hours	5 days
+20°C	28 hours	4 days
+30°C	20 hours	3 days

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

Notes on Application / Limitations

Freshly applied **Sikafloor®-302 W** must be protected from damp, condensation and water for at least 7 days (+20°C).

Apply **Sikafloor®-302 W** to tack free Sikafloor®-261 / -162 / -300 N.

Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealers coats. Therefore substrate and adjacent areas must be cleaned thoroughly prior to application.

Tools:

Recommended Supplier of Tools:

PPW-Polyplan-Werkzeuge GmbH, Phone: +49 40/5597260, www.polyplan.com

Curing Details

Applied Product ready for use

Temperature	Foot traffic	Light traffic	Full cure
+10°C	~ 48 hours	~ 5 days	~ 14 days
+20°C	~ 24 hours	~ 3 days	~ 7 days
+30°C	~ 16 hours	~ 2 days	~ 5 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®-302 W** 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.

Notes 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.

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 **wb**) is 140 / 140 g/l (Limits 2007 / 2010), for the ready to use product.

The maximum content of **Sikafloor®-302 W** is < 140 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 should 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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