BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-2526 W ID

Epoxy-modified resin water-based sealer coat

DESCRIPTION

Sikafloor®-2526 W ID is a water dispersed, solvent free, coloured, silky matt-finish, three-part epoxy-modified resin water-based sealer coat.

USES

Sikafloor®-2526 W ID may only be used by experienced professionals.

- Coloured sealer coat for concrete and cementitious substrate
- Can be subjected to light to medium heavy mechanical loading
- For production areas, warehouses, car park decks, garages, food processing area, laboratories, storage areas, breweries, etc
- Floor and wall application
- Indoor and outdoor* area

* Color change may occur.

CHARACTERISTICS / ADVANTAGES

- Good mechanical resistance
- Good UV resistance
- Solvent free
- Water dilutable
- Odourless
- Low VOC (below reporting limits < 1 gr/L)
- Easy application

PRODUCT INFORMATION

Composition	Epoxy waterborne	
Packaging	18 kg set ready to mix units	
	Part A	14.1 kg plastic pail
	Part B	2.9 kg plastic jerrycan
	Part C	1.0 kg plastic pail
Appearance / Colour	Resin - Part A	Non-Coloured, light or dark based liquid
	Hardener - Part B	Milky white. Liquid
	Pigment - Part C	Coloured
	Available only in the following colours : RAL 6010, 7035, 7040, 9003 Prior to selecting the colour for Sikafloor®-2526 W ID, pre-trial is highly recommended. Exposure to direct UV (e.g., sunlight, lamps, skylights) may result in color changes, including darkening and slight variation. This does not impact the functional performance of the coating.	
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging	
Storage Conditions	Dry conditions at temperatures between +18 °C and +30 °C	

Density	Part A: Part B: Part C: Mixed resin (A+B+C):	~1.304 kg/L ~1.09 kg/L ~1.2 - 1.4 kg/L ~1.27 kg/L	(DIN EN ISO 2811-1) (at +23 °C)
Solid content by weight	~49.3 % (by weight)		
Solid content by volume	~36.6 % (by volume)		

TECHNICAL INFORMATION

Tensile Adhesion Strength	7 days	~1.5 N/mm2 (at +27 °C), mode failure on concrete substrate. Substrate quality in compression minimum 25 N/mm².	(ASTM D7234)

Chemical Resistance

Resistant to chemicals. Contact Sika technical service for specific Information.

Temperature Resistance

Exposure*	Dry heat
Permanent	+40 °C
Short-term max. 7 days	+80 °C
Short-term max. 8 hours	+100 °C

Short-term moist/wet heat* up to +80 °C where exposure is only occasional (steam cleaning etc.).
*No simultaneous chemical and mechanical exposure.

APPLICATION INFORMATION

Mixing Ratio

Part A : part B = 16 : 3 (by weight)

Consumption

Coating System	Product	Consumption
Priming	Sikafloor®-161 HC or Sikafloor®-2526 W ID (+5% water)	~0.25 - 0.30 kg/m² or ~0.15 - 0.20 kg/m²
Top Coat	2 coats Sikafloor®-2526 W ID, minimum	~0.1 - 0.15 kg/m²/coat

These figures are theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc. Bright color may require additional coat, please conduct trial application to ensure color uniformity surface appearance.
For vertical or wall applications, please conduct a trial application to determine the actual consumption rate based on substrate conditions.

Ambient Air Temperature

+10 °C min. / +35 °C max.

Relative Air Humidity

80 % r.h. max., adequate fresh air ventilation must be provided to remove excess moisture during curing.

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.

Substrate Temperature

+10 °C min. / +30 °C max.

Substrate Moisture Content

< 6 % pbw moisture content.
Test method: Sika-Tramex meter or CM - measurement.
No rising moisture according to ASTM (Polyethylene-sheet).

Pot Life

Temperature	Time
+20 °C	90 - 120 min
+30 °C	30 - 60 min

Curing Time

Before applying Sikafloor®-2526 W ID on Sikafloor®-161 HC allow:

Substrate temperature	Minimum	Maximum
+20 °C	~12 h	~48 h
+30 °C	~6 h	~36 h

Before applying Sikafloor®-2526 W ID on Sikafloor®-2526 W ID allow:

Substrate temperature	Minimum	Maximum
+20 °C	~12 h	~4 d
+30 °C	~4 h	~2 d

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.
When the relative air humidity is ≥ 80 % the waiting time should be increased by 24 hours.

Applied Product Ready for Use

Temperature	Foot traffic	Light traffic	Full cure
+20 °C	~24 h	~3 d	~7 d
+30 °C	~8 h	~2 d	~5 d

SYSTEM INFORMATION

Systems

Surface	Normal Exposure	Heavier Exposure
Normal Absorbent	1 x Sikafloor®-2526 W ID +5% addition of water 2 x Sikafloor®-2526 W ID	1 x Sikafloor®-161 HC 3 x Sikafloor®-2526 W ID
Strongly Absorbent	1 x Sikafloor®-2526 W ID +5% addition of water 2 - 3 x Sikafloor®-2526 W ID	1 x Sikafloor®-161 HC 3 x Sikafloor®-2526 W ID

In case of high aesthetic or in certain light colour shade, the total top coats can be increased to 3 coats with total consumption of not less than 0.3 kg/m² excludes primer. Waiting times during application may lead to visible markings.

BASIS OF PRODUCT DATA

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.

IMPORTANT CONSIDERATIONS

- Exposure to direct UV (e.g., sunlight, lamps, skylights) may result in color changes, including darkening and slight variation. This does not impact the functional performance of the coating
- As waterborne epoxy based material application is very sensitively with humidity, temperature, curing & application time different may cause of different shade
- Do not apply Sikafloor®-2526 W ID on substrates in which significant vapour pressure may occur
- Freshly applied Sikafloor®-2526 W ID should be protected from damp, condensation and water for at least 24 hours
- Avoid pinholes on surface with the primer
- Always ensure adequate fresh air ventilation when using Sikafloor®-2526 W ID in confined spaces to avoid curing problems
- The “silky matt” of the finish can vary with temperature, humidity, and the absorbency of the substrate
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking
- For exact colour matching, ensure the Sikafloor®-2526 W ID in each area is applied from the same control batch numbers and same day

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The concrete floor substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm² and for wall substrate must be sufficient pull off strength of 1.0 N/mm².

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

- Concrete substrates and cementitious mortar substrate must be prepared mechanically using sandpaper polishing machine or diamond grinding equipment to remove cement laitance and achieve a profiled open textured surface
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed
- Repairs to substrate, filling of blowholes / voids and surface levelling can be carried out using appropriate products from the Sika® EpoCem® and SikaDur® range of materials
- The concrete or screed substrate has to be primed or levelled up in order to achieve an even surface
- High spots must be removed by e.g. grinding
- 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

- Prior to mixing stir part A and part C separately by mechanically using low speed (100 – 200 rpm) for 30 seconds.
- Add slowly part C into part A, mix continuously for 30 - 60 seconds until uniform mix has been achieved (this process can be started approximately 1 hour before application to speed up application process).
- Add part B into mixed part A+C then mix continuously for 2 minutes until a uniform mix has been achieved.
- Use clean low to medium speed mixer (300-400 rpm) to mix part C into A and mix part B into mixed A+C.
- Total mixing time is approximately 3 minutes.
- To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, r.h. and dew point.
If > 6 % pbw moisture content, Sikafloor® EpoCem® ID may be applied as a T.M.B. (temporary moisture barrier) system.

Primer
Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats.

Coating
Sikafloor®-2526 W ID is spread evenly by means of a short pile roller or spread by rubber squeegee and back rolling with short pile 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.

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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