

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-18

DECORATIVE SMOOTH COLOURED FLOORING SYSTEM

DESCRIPTION

Sikafloor® MultiDur ES-18 is an epoxy and polyurethane decorative coloured resin based floor coating system that can provide a hard wearing, seamless, low maintenance smooth matt finish. For normal - medium heavy wear conditions. Thickness 0,6–0,8 mm. Internal use.

USES

Sikafloor® MultiDur ES-18 may only be used by experienced professionals.

On concrete and cement screeds:

- Commercial, public and residential areas
- Retail and leisure facilities

CHARACTERISTICS / ADVANTAGES

- Seamless
- Decorative design
- Resistant to normal - medium heavy wear
- Easy cleanability
- Colour options
- Low maintenance

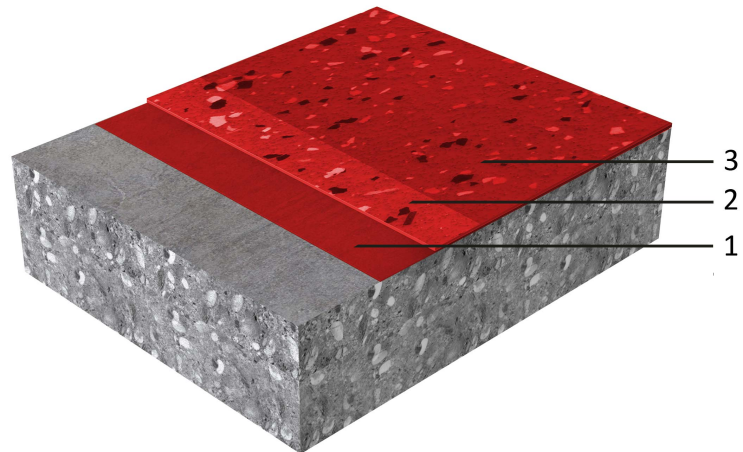
APPROVALS / CERTIFICATES

- 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

SYSTEMS

System Structure

Sikafloor® MultiDur ES-18



Layer	Product
1. Primer	Sikafloor®-264 N
2. Wearing coat & coloured flake broadcast	Sikafloor®-264 N+ coloured flakes
3. Seal / Top coat	Sikafloor®-304 W

Composition	Epoxy and polyurethane
Appearance	Smooth matt finish
Colour	Available in many colours
Nominal Thickness	0,6–0,8 mm

TECHNICAL INFORMATION

Chemical Resistance	Sikafloor®-304 W provides the chemical resistance. Refer to Product Data Sheet.
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APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ES-18 (~0,6–0,8 mm)		
	Layer	Product	Consumption
	1. Primer	1 × Sikafloor®-264 N	1 × 0,4-0,5 kg/m ²
	2. Wearing coat Coloured flake broadcast	1 × Sikafloor®-264 N Coloured flakes	1 × 0,4-0,5 kg/m ² ~ 40 g/m ²
3. Seal / Top coat	1 × Sikafloor®-304 W	1 × 0,13 kg/m ²	

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

Ambient Air Temperature	+10 °C min. / +30 °C max.
Relative Air Humidity	75 % max.
Dew Point	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.
Substrate Temperature	+10 °C min. / +30 °C max.
Substrate Moisture Content	≤4 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-meth-

od. No rising moisture according to ASTM (Polyethylene-sheet).

Waiting Time / Overcoating

Before applying Sikafloor®-264 N on Sikafloor®-264 N allow:

<u>Substrate temperature</u>	<u>Minimum</u>	<u>Maximum</u>
+10 °C	30 hours	3 days
+20 °C	24 hours	2 days
+30 °C	16 hours	1 day

Before applying Sikafloor®-264 N on Sikafloor®-304 W allow:

<u>Substrate temperature</u>	<u>Minimum</u>	<u>Maximum</u>
+10 °C	45 hours	4 days
+20 °C	36 hours	3 days
+30 °C	24 hours	2 days

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

Applied Product Ready for Use

<u>Temperature</u>	<u>Foot traffic</u>	<u>Light traffic</u>	<u>Full cure</u>
+10°C	~30 hours	~48 hours	~6 days
+20°C	~16 hours	~24 hours	~4 days
+30°C	~12 hours	~18 hours	~3 days

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

PRODUCT INFORMATION

Packaging

Refer to the individual Product Data Sheet

Shelf life

Refer to the individual Product Data Sheet

Storage conditions

Refer to the individual Product Data Sheet

APPLICATION INSTRUCTIONS

CLEANING

Refer to Sika® Method Statement: Sikafloor®-Cleaning Regime

FURTHER INFORMATION

- Sika® Method Statement: Sikafloor®-Cleaning Regime
- Sika® Method Statement: Mixing & Applications of Flooring Systems
- Sika® Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor® MultiDur ES-18 on substrates with rising moisture.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-264 N in each area is applied from the same control batch numbers.
- After application, the products must be protected from damp, condensation and water for at least 24 hours.

- For roller / textured coatings: Uneven substrates as well as inclusions of dirt cannot and must not be covered by thin sealer coats. Therefore both substrate and adjacent areas must always be prepared and cleaned thoroughly prior to application.

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.

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.

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.

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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