

SYSTEM DATA SHEET

Sikafloor® MultiDur ET-18

HIGH BUILD TEXTURED COLOURED EPOXY FLOOR COATING SYSTEM

PRODUCT DESCRIPTION

Sikafloor® MultiDur ET-18 is a 2-part epoxy coloured resin based floor coating system that can provide a hard wearing, seamless, low maintenance textured gloss finish. For medium - heavy wear conditions. Thickness ~ 2–3mm. Internal use.

USES

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

- On concrete and cementitious screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps
- Multi-storey and underground car parks, maintenance hangars and wet process areas, e.g. beverage and food industry
- Floors where slip resistance and easy cleanability is required

CHARACTERISTICS / ADVANTAGES

- Seamless
- Good chemical and mechanical resistance
- Easy application
- Waterproof
- Textured gloss finish
- Easy cleanability
- Slip resistant
- Low maintenance

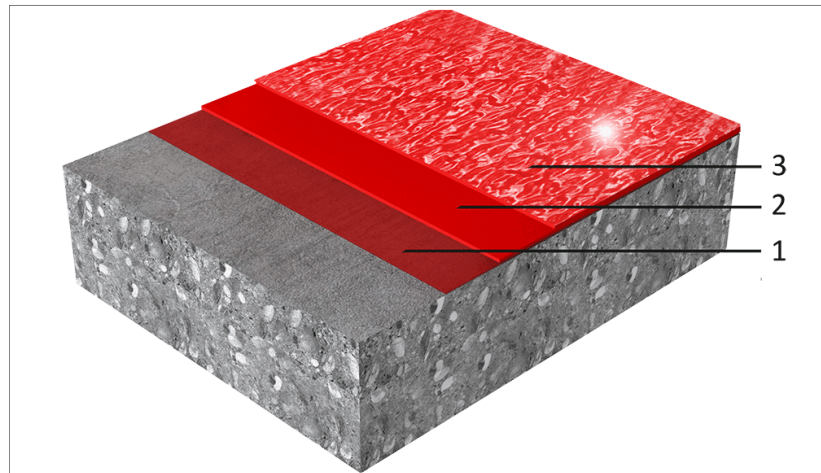
APPROVALS / STANDARDS

Refer to individual Product Data Sheet within System Structure

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ET-18 (~ 2–3 mm)



Layer	Product
1. Primer	Sikafloor®-150/-151
2. Wearing coat	Sikafloor®-263 SL N
3. Top Coat	Sikafloor®-264 N Thixo

Composition	Epoxy
Appearance	Textured, gloss finish
Colour	Available in many colours
Nominal Thickness	~ 2–3mm

TECHNICAL INFORMATION

Reaction to Fire									
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Service for specific information.								
Thermal Resistance	<table border="1"> <thead> <tr> <th>Exposure</th> <th>Dry heat</th> </tr> </thead> <tbody> <tr> <td>Permanent</td> <td>+50 °C</td> </tr> <tr> <td>Short-term max. 7 d</td> <td>+80 °C</td> </tr> <tr> <td>Short-term max. 12 h</td> <td>+100 °C</td> </tr> </tbody> </table> <p>Short-term moist/wet heat* up to +80 °C where exposure is only occasional (i.e. during steam cleaning etc.) *No simultaneous chemical and mechanical exposure.</p>	Exposure	Dry heat	Permanent	+50 °C	Short-term max. 7 d	+80 °C	Short-term max. 12 h	+100 °C
Exposure	Dry heat								
Permanent	+50 °C								
Short-term max. 7 d	+80 °C								
Short-term max. 12 h	+100 °C								
Skid / Slip Resistance	R9 (DIN 51130)								

APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ET-18 (~ 2–3 mm)		
	Coating System	Product	Consumption
	1. Primer	1 × Sikafloor®-150/-151	~0.3–0.5 kg/m ²
	2. Wearing coat	1 × Sikafloor®- 263 SL N filled 1:1 with quartz sand 0.06–0.3mm	~4 kg/m ² (2 kg/m ² binder + 2 kg/m ² quartz sand)
	3. Top coat	1–2 × Sikafloor®- 264 N Thixo	~0.5–0.8 kg/m ² per layer
Ambient Air 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.		
Substrate Temperature	+10 °C min. / +30 °C max.		
Substrate Moisture Content	<4 % pbw Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Waiting Time / Overcoating	Before applying Sikafloor®-263 SL N on Sikafloor®-150 /151 allow:		
	Substrate Temperature	Minimum	Maximum
	+10 °C	24 hours	3 days
	+20 °C	12 hours	2 days
	+30 °C	8 hours	1 day
	Before applying Sikafloor®-264 N Thixo on Sikafloor®-263 SL N allow:		
	Substrate temperature	Minimum	Maximum
	+10 °C	30 hours	3 days
	+20 °C	24 hours	2 days
	+30 °C	16 hours	1 day
	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
	+10 °C	~72 hours	~6 days
	+20 °C	~24 hours	~4 days
	+30 °C	~18 hours	~2 days

PRODUCT INFORMATION

Packaging	Refer to the individual Product Data Sheets
Shelf Life	Refer to the individual Product Data Sheets
Storage Conditions	Refer to the individual Product Data Sheets

MAINTENANCE

CLEANING

Refer to the Information Manual Sikafloor®-Cleaning Regime

FURTHER DOCUMENTS

- Sika® Information Manual Mixing & Applications of Flooring systems
- Sika® Information Evaluation and Preparation of Surfaces for Flooring systems

LIMITATIONS

- Do not apply on substrates with rising moisture.

- Freshly applied Sikafloor® MultiDur ET-18 should be protected from damp, condensation and water for at least 24 hours.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- Always ensure adequate fresh air ventilation when using Sikafloor®-264 N Thixo as a top layer in confined spaces to avoid curing problems.
- The "gloss" of the finish can vary with temperature, humidity and the absorbency of the substrate.
- With light colour shades (e.g. yellow or orange) it may be necessary to apply several coats of Sikafloor®-264 N Thixo to achieve full opacity (hiding power).
- Under direct sun radiation there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.

- 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 Thixo in each area is applied from the same control batch numbers.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to indentations in the resin.
- 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.

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.

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.

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

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