BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® MultiDur ET-19

Textured coloured epoxy floor coating system

SIKA NZ APPROVED CONTRACTOR ONLY

DESCRIPTION

Sikafloor® MultiDur ET-19 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 ~1.0 mm. Internal use.

USES

Sikafloor® MultiDur ET-19 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
- Light to medium mechanical resistance
- Medium chemical resistance
- Waterproof
- Textured gloss finish
- Easy cleanability
- Slip resistant
- Low maintenance

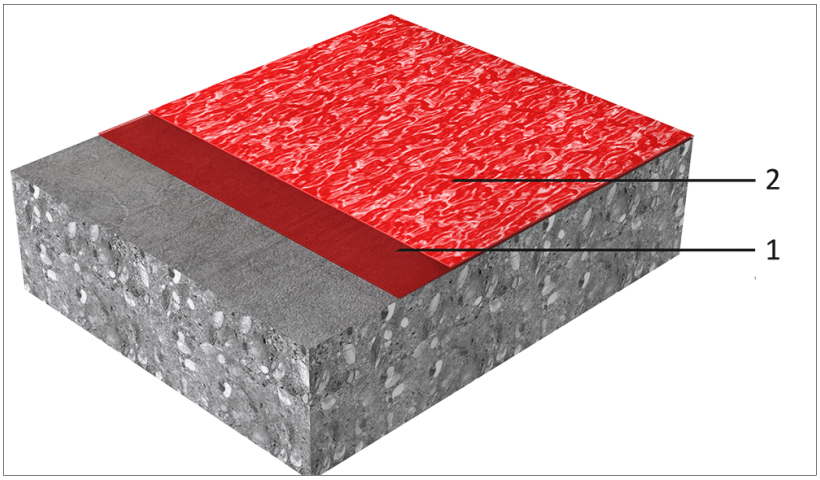
APPROVALS / STANDARDS

- 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
- Fire Testing ISO 11925-2, Sikafloor® MultiDur ET-19, Hoch, Classification report No. PB-Hoch-180197
- Fire Testing ISO 9239-1, Sikafloor® MultiDur ET-19, Hoch, Classification report No. PB-Hoch-180198
- Fire Testing EN 13501-1, Sikafloor® MultiDur ET-19, Hoch, Classification report No. PB-Hoch-180199

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ET-19 (~1,0 mm)



Layer	Product
1. Primer	Sikafloor®-151/-150
2. Top Coat	1–2 × Sikafloor®-264 N Thixo

Composition	Epoxy
Appearance	Textured, gloss finish
Colour	Available in many colours
Nominal thickness	~1.0 mm

TECHNICAL INFORMATION

Shore D Hardness	~76 (7 days / +23 °C)	(DIN 53 505)
Compressive Strength	~60 MPa (Resin, 28 days / +23 °C)	(EN 196–1)
Tensile Adhesion Strength	> 1.5 MPa (failure in concrete)	(ISO 4624)
Reaction to Fire	Bfl-S1	(DIN EN 13501-1)
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Service for specific information.	
Skid / Slip Resistance	R9	(DIN 51130)

APPLICATION INFORMATION

Consumption

Sikafloor® MultiDur ET-19 (~ 1.0 mm)

Coating System	Product	Consumption
1.Primer	1-2 × Sikafloor®-151/-150	~0.3–0.5 kg/m² (~0.2-0.4L/m²) per layer
2.Top coat	1–2 × Sikafloor®-264 N Thixo	~0.5–0.8 kg/m² (~0.38-0.6L/m2) 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% parts by weight Using Sikafloor®-150 ≤ 6% parts by weight Using Sikafloor®-151 Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). Osmosis caused by rising moisture or incorrect primer application is not covered by product warranty.

Waiting Time / Overcoating

Before applying Sikafloor®–264 N Thixo 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

Applied Product Ready for Use

Temperature	Foot traffic	Light traffic	Full cure
+10 °C	~ 72 hours	~ 6 days	~ 10 days
+20 °C	~ 24 hours	~ 4 days	~ 7 days
+30 °C	~ 18 hours	~ 2 days	~ 5 days

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.

FURTHER DOCUMENTS

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems

LIMITATIONS

- Do not apply on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur ET-19 must 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.
- 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). Carry out a small trial to confirm
- Under direct sun radiation there may be some discolouration and colour deviation, this has no influence on the function and performance of the coating.
- 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 CO_2 and H_2O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

MAINTENANCE

CLEANING

Refer to the Method Statement Sikafloor®- Cleaning Regime

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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