

## SYSTEM DATA SHEET

# Sikafloor® MultiDur ET-20

EPOXY COLOURED TEXTURED FAST CURING FLOOR COATING SYSTEM



## DESCRIPTION

Sikafloor® MultiDur ET-20 is a 2-part, epoxy, coloured, fast curing resin based floor coating system. It provides a hard wearing, seamless, low maintenance slightly textured gloss finish. For medium - heavy wear conditions. Thickness ~1,0 mm. Internal use.

## USES

Sikafloor® MultiDur ET-20 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

- Fast curing
- Blushing resistant
- Low odour
- Low VOC
- Improved yellowing resistance
- Seamless and hygienic
- Good chemical and mechanical resistance
- Easy application
- Low maintenance
- Seamless
- Waterproof
- Slightly textured gloss finish
- Easy cleanability

## SUSTAINABILITY

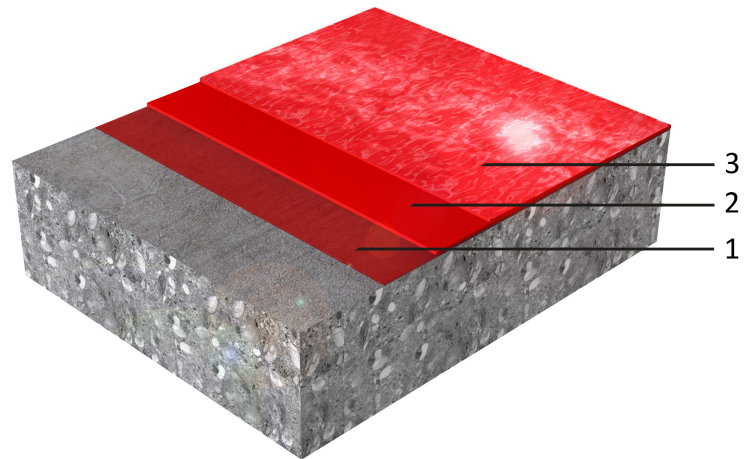
- Conformity with LEED v4 EQc 2: Low-Emitting Materials - Sikafloor®-150, Sikafloor®-151.

## 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
- Fire Classification EN 13501-1, Sikafloor® MultiDur ET-20, OFI Technologie & Innovation GmbH, Classification report No. 1901242-4
- Fire Testing EN ISO 11925-2, Sikafloor® MultiDur ET-20, OFI Technologie & Innovation GmbH, Test report No. 1901242/8
- Fire Testing EN ISO 9239-1, Sikafloor® MultiDur ET-20, OFI Technologie & Innovation GmbH, Test report No. 1901242/7

# SYSTEMS

## System Structure



### Sikafloor® MultiDur ET-20 (~1,0 mm)

Layer	Product
1. Primer	Sikafloor®-150/-151
2. Base Coat	1 × Sikafloor®-2640
3. Top Coat	1 × Sikafloor®-2640

Composition	Epoxy
Appearance	Textured, gloss finish
Colour	Available in many colours
Nominal Thickness	~1,0 mm

## TECHNICAL INFORMATION

Shore D Hardness	~78 (7 days / +23 °C)	(DIN 53 505)
Abrasion Resistance	~935 mg (H22/1000/1000) (7 days / +23 °C)	(Standard)
Tensile Adhesion Strength	> 1,5 N/mm <sup>2</sup> (failure in concrete)	(ISO 4624)
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Service for specific information.	

## APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ET-20 (~1,0 mm)		
	Layer	Product	Consumption
	1.Primer	1 × Sikafloor®-150/ -151	~0,3–0,5 kg/m <sup>2</sup>
	2.Base Coat	1 × Sikafloor®-2640	~0,3–0,4 kg/m <sup>2</sup>
3.Top Coat	1 × Sikafloor®-2640	~0,4–0,5 kg/m <sup>2</sup>	

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

Product Temperature	+10 °C min. / +30 °C max.
Ambient Air Temperature	+10 °C min. / +30 °C max.
Relative Air Humidity	80 % 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.

<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.			
<b>Substrate Moisture Content</b>	≤ 4 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).			
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-2640 on Sikafloor®-150/-151 allow:			
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	24 hours	3 days	
	+20 °C	12 hours	2 days	
	+30 °C	8 hours	1 day	
	Before applying Sikafloor®-2640 on Sikafloor®-2640 allow:			
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	12 hours	3 days	
	+20 °C	6 hours	2 days	
	+30 °C	3 hours	1 day	
	Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+10 °C	~12 hours	~15 hours	~24 hours
	+20 °C	~6 hours	~11 hours	~14 hours
	+30 °C	~3 hours	~9 hours	~12 hours
	Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.			

## PRODUCT INFORMATION

<b>Packaging</b>	Refer to the individual Product Data Sheet
<b>Shelf life</b>	Refer to the individual Product Data Sheet
<b>Storage conditions</b>	Refer to the individual Product Data Sheet

## MAINTENANCE

### 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
- Sika® Method Statement: Sikafloor®-2640
- Individual Product Data Sheets within the flooring system

## IMPORTANT CONSIDERATIONS

- Do not leave mixed product in container after the end of the pot life. Fill container completely with quartz sand to stop the rapid exothermic reaction of the product which leads to foaming.
- Do not apply Sikafloor® MultiDur ET-20 on substrates with rising moisture.
- Do not blind the primer.
- Freshly applied Sikafloor® MultiDur ET-20 must be protected from damp, condensation and water for at least 24 hours.
- For areas with limited exposure and normally absorbent concrete substrates priming with Sikafloor®-150/-151 is not necessary for roller or textured coating systems.
- For roller / textured coatings: Uneven substrates as well as inclusions of dirt cannot and must not be covered by thin sealer coats. Therefore both sub-

strate and adjacent areas must always be prepared and cleaned thoroughly prior to application.

- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor® MultiDur ET-20 in each area is applied from the same control batch numbers.
- Under certain conditions, underfloor heating combined with high point loading, may lead to indentations in the resin.
- If temporary heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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.

## 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

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### System Data Sheet

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