

## SYSTEM DATA SHEET

# Sikafloor® MultiDur ET-31 V

---

TEXTURED, UNICOLOUR, HIGHLY CHEMICAL AND MECHANICAL  
RESISTANT EPOXY COVERING FOR VERTICAL SURFACES

---

### PRODUCT DESCRIPTION

Sikafloor® MultiDur ET-31 V is a textured, coloured epoxy covering with high chemical and mechanical resistance for vertical surfaces

### USES

Sikafloor® MultiDur ET-31 V may only be used by experienced professionals.

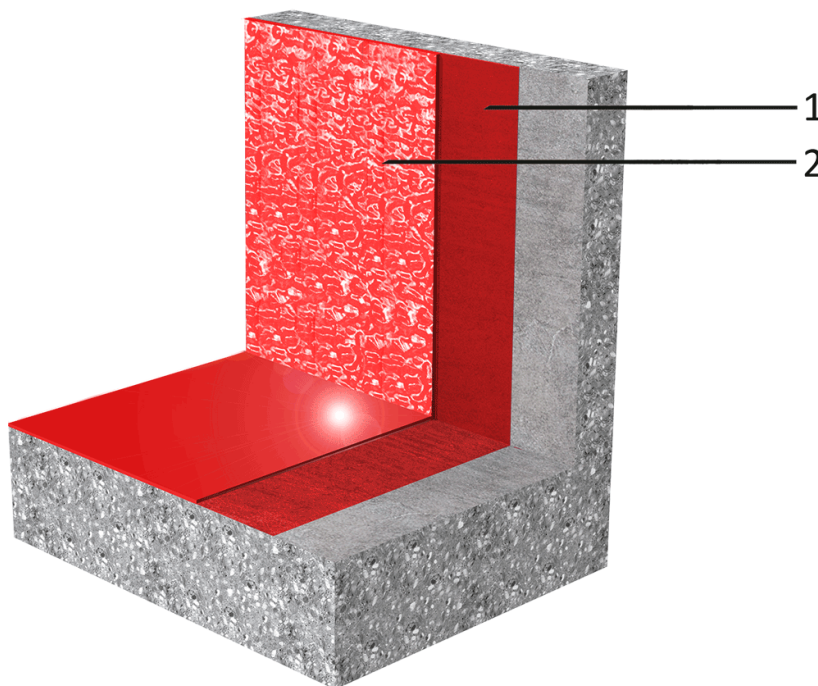
- Suitable for concrete and screed surfaces in bund areas for protection against contaminating liquids.

### CHARACTERISTICS / ADVANTAGES

- High chemical resistance
- High mechanical resistance
- Liquid proof
- Abrasion resistant
- Slip resistant surface possible

# SYSTEM INFORMATION

## System Structure



### Sikafloor® MultiDur ET-31 V system (~ 1.5–2.0 mm)

1. Primer	Sikafloor®-156/-161
2. Top coat	Sikafloor®-381 + 2.5–4 % by weight Extender T

<b>Chemical base</b>	Epoxy
<b>Appearance</b>	Textured, semi-gloss finish
<b>Colour</b>	Available in various colour shades.
<b>Nominal Thickness</b>	~1.5–2.0mm

## TECHNICAL INFORMATION

<b>Chemical Resistance</b>	Refer to the chemical resistance of Sikafloor®-381	
<b>Thermal Resistance</b>	<b>Exposure*</b>	<b>Dry heat</b>
	Permanent	+50 °C
	Short-term max. 7 d	+80 °C
	Short-term max. 12 h	+100 °C
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.		

## APPLICATION INFORMATION

<b>Consumption</b>	Sikafloor® MultiDur ET-31 V system (~ 1.5–2.0 mm)		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	Primer	1 × Sikafloor®-156/-161	~ 0.3–0.5 kg/m <sup>2</sup>
Top coat	2 × Sikafloor®-381 + 2,5-4 % by weight Extender T	~1.25 kg/m <sup>2</sup> per layer	
<b>Product Temperature</b>	Please refer to the individual Product Data Sheets		
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.		

<b>Relative Air Humidity</b>	80 % r.h. max.																										
<b>Dew Point</b>	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.																										
<b>Substrate Temperature</b>	+10 °C min. / +30 °C max.																										
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® MultiDur ET-31 V, the substrate moisture content must not exceed 4 % pbw measured by Tramex. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).																										
<b>Waiting Time / Overcoating</b>	<p>Before applying Sikafloor®-381 on Sikafloor®-156/-161 allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>4 days</td> </tr> <tr> <td>+20 °C</td> <td>12 hours</td> <td>2 days</td> </tr> <tr> <td>+30 °C</td> <td>8 hours</td> <td>1 day</td> </tr> </tbody> </table> <p>Before applying Sikafloor®-381 on Sikafloor®-381 allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>24 hours</td> <td>48 hours</td> </tr> <tr> <td>+20 °C</td> <td>18 hours</td> <td>24 hours</td> </tr> <tr> <td>+30 °C</td> <td>6 hours</td> <td>12 hours</td> </tr> </tbody> </table> <p>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.</p>			Substrate temperature	Minimum	Maximum	+10 °C	24 hours	4 days	+20 °C	12 hours	2 days	+30 °C	8 hours	1 day	Substrate temperature	Minimum	Maximum	+10 °C	24 hours	48 hours	+20 °C	18 hours	24 hours	+30 °C	6 hours	12 hours
Substrate temperature	Minimum	Maximum																									
+10 °C	24 hours	4 days																									
+20 °C	12 hours	2 days																									
+30 °C	8 hours	1 day																									
Substrate temperature	Minimum	Maximum																									
+10 °C	24 hours	48 hours																									
+20 °C	18 hours	24 hours																									
+30 °C	6 hours	12 hours																									
<b>Applied Product Ready for Use</b>	<table border="1"> <thead> <tr> <th>Temperature</th> <th>Foot traffic</th> <th>Light traffic</th> <th>Full cure</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>~ 24 hours</td> <td>~ 3 days</td> <td>~ 10 days</td> </tr> <tr> <td>+20 °C</td> <td>~ 18 hours</td> <td>~ 2 days</td> <td>~ 7 days</td> </tr> <tr> <td>+30 °C</td> <td>~ 12 hours</td> <td>~ 1 days</td> <td>~ 5 days</td> </tr> </tbody> </table>	Temperature	Foot traffic	Light traffic	Full cure	+10 °C	~ 24 hours	~ 3 days	~ 10 days	+20 °C	~ 18 hours	~ 2 days	~ 7 days	+30 °C	~ 12 hours	~ 1 days	~ 5 days										
Temperature	Foot traffic	Light traffic	Full cure																								
+10 °C	~ 24 hours	~ 3 days	~ 10 days																								
+20 °C	~ 18 hours	~ 2 days	~ 7 days																								
+30 °C	~ 12 hours	~ 1 days	~ 5 days																								

## PRODUCT INFORMATION

<b>Packaging</b>	Please refer to the individual Product Data Sheets
<b>Shelf Life</b>	Please refer to the individual Product Data Sheets
<b>Storage Conditions</b>	Please refer to the individual Product Data Sheets

## MAINTENANCE

### CLEANING

Please refer to the Information Manual Sikafloor®-Cleaning Regime

### FURTHER DOCUMENTS

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

### LIMITATIONS

- Do not apply Sikafloor® MultiDur ET-31 V on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur ET-31 V 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.

- For exact colour matching, ensure the Sikafloor®-381 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 imprints 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<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.

### 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 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.

### SIKA LIMITED

#### Watchmead

Welwyn Garden City  
Hertfordshire, AL7 1BQ  
Tel: 01707 394444  
Web: [www.sika.co.uk](http://www.sika.co.uk)  
Twitter: @SikaLimited

### SIKA IRELAND LIMITED

#### Ballymun Industrial Estate

Ballymun  
Dublin 11, Ireland  
Tel: +353 1 862 0709  
Web: [www.sika.ie](http://www.sika.ie)  
Twitter: @SikaIreland



SikafloorMultiDurET-31V\_en\_GB\_(12-2016)\_1\_1.pdf

System Data Sheet  
Sikafloor® MultiDur ET-31 V  
December 2016, Version 01.01  
020811900000000032