

SYSTEM DATA SHEET

Sikafloor® MultiDur ET-31 V

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

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

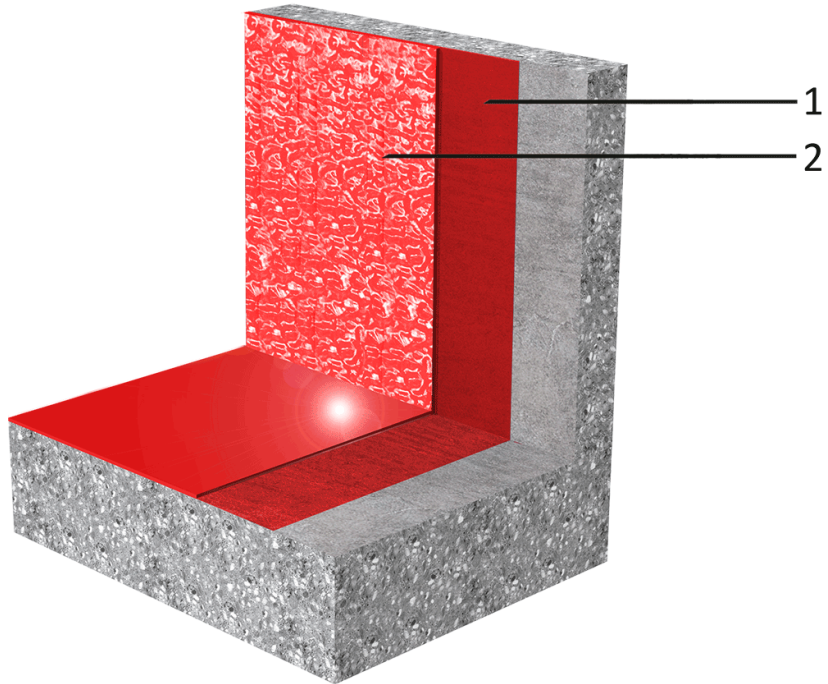
- High chemical resistance
- High mechanical resistance
- Liquid proof
- Abrasion resistant
- Slip resistant surface possible

PRODUCT INFORMATION

Packaging	Please refer to the individual Product Data Sheets
Shelf Life	Please refer to the individual Product Data Sheets
Storage Conditions	Please refer to the individual Product Data Sheets

SYSTEM INFORMATION

System Structure



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

1. Primer	Sikafloor®-161 HC
2. Top coat	Sikafloor®-381 + 2.5–4.0 % by weight Extender T

Composition	Epoxy
Appearance	Textured, semi-gloss finish
Colour	Available in various colour shades.
Nominal Thickness	~1.5–2.0mm

TECHNICAL INFORMATION

Chemical Resistance Refer to the chemical resistance of Sikafloor®-381

Temperature Resistance

Exposure*	Dry heat
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

Consumption

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

Coating System	Product	Consumption
Primer	1 × Sikafloor®-161 HC	~ 0.3–0.5 kg/m ²
Top coat	2 × Sikafloor®-381 + 2.5–4.0 % by weight Ex- tender T	~1.25 kg/m ² per layer

Product Temperature

Please refer to the individual Product Data Sheets

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

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).

Waiting Time / Overcoating

Before applying Sikafloor®-381 on Sikafloor®-161 HC allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 hours	4 days
+20 °C	12 hours	2 days
+30 °C	8 hours	1 day

Before applying Sikafloor®-381 on Sikafloor®-381 allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 hours	48 hours
+20 °C	18 hours	24 hours
+30 °C	6 hours	12 hours

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	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

MAINTENANCE

CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime

FURTHER DOCUMENTS

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

IMPORTANT CONSIDERATIONS

- 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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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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