

## SYSTEM DATA SHEET

# Sikafloor® MultiDur ET-18

High build textured coloured epoxy floor coating system

SIKA NZ  
APPROVED  
CONTRACTOR  
ONLY

## 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

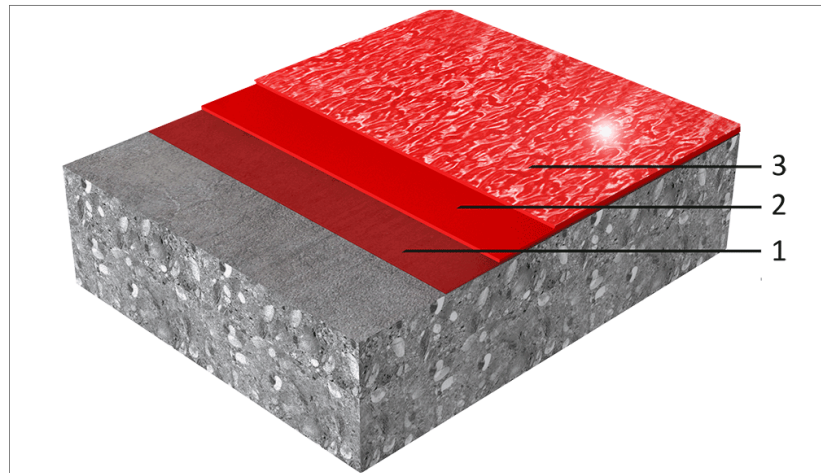
## APPROVALS / STANDARDS

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®-264 N SL    |
| 3. Top Coat     | Sikafloor®-264 N Thixo |

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

## TECHNICAL INFORMATION

|                        |   |                 |
|------------------------|---|-----------------|
| Chemical Resistance    | Resistant to many chemicals. Contact Sika Technical Service for specific information.                       |                 |
| Thermal Resistance     | <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.  |                 |
| Skid / Slip Resistance | R9  | (DIN 51130)     |

## APPLICATION INFORMATION

|                         |                                      |   |   |
|-------------------------|--------------------------------------|---|---|
| Consumption             | Sikafloor® MultiDur ET-18 (~ 2–3 mm) |   |   |
|                         | <b>Coating System</b>                | <b>Product</b>  | <b>Consumption</b>  |
|                         | 1. Primer                            | 1 × Sikafloor®-151/-150   | ~0.3–0.5 kg/m <sup>2</sup>  |
|                         | 2. Wearing coat                      | 1 × Sikafloor®- 264 N SL filled 1:1 with quartz sand 0.1 – 0.3mm or Sika® Aggregate-508 | ~4 kg/m <sup>2</sup> (2 kg/m <sup>2</sup> binder + 2 kg/m <sup>2</sup> quartz sand) |
|                         | 3. Top coat                          | 1–2 × Sikafloor®- 264 N Thixo   | ~0.5–0.8 kg/m <sup>2</sup> per layer  |
| Ambient Air Temperature | +10 °C min. / +30 °C max.            |   |   |
| Relative Air Humidity   | 80 % r.h. max.                       |   |   |

| <b>Dew Point</b>                     | Beware of condensation!<br>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>    | ≤ 4% parts by weight Using Sikafloor®-150<br>≤ 6% parts by weight Using Sikafloor®-151<br>Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method.<br>No rising moisture according to ASTM (Polyethylene-sheet). Osmosis caused by rising moisture or incorrect primer application is not covered by product warranty.   |                     |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| <b>Waiting Time / Overcoating</b>    | Before applying Sikafloor®-264 N SL on Sikafloor®-150 /151 allow:<br><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>3 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><br>Before applying Sikafloor®-264 N Thixo on Sikafloor®-264 N SL allow:<br><table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>30 hours</td> <td>3 days</td> </tr> <tr> <td>+20 °C</td> <td>24 hours</td> <td>2 days</td> </tr> <tr> <td>+30 °C</td> <td>16 hours</td> <td>1 day</td> </tr> </tbody> </table><br>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. |                     |                      | Substrate Temperature | Minimum | Maximum | +10 °C | 24 hours | 3 days | +20 °C | 12 hours | 2 days | +30 °C | 8 hours | 1 day | Substrate temperature | Minimum | Maximum | +10 °C | 30 hours | 3 days | +20 °C | 24 hours | 2 days | +30 °C | 16 hours | 1 day |
| Substrate Temperature                | Minimum   | Maximum             |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| +10 °C                               | 24 hours  | 3 days              |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| +20 °C                               | 12 hours  | 2 days              |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| +30 °C                               | 8 hours   | 1 day               |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| Substrate temperature                | Minimum   | Maximum             |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| +10 °C                               | 30 hours  | 3 days              |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| +20 °C                               | 24 hours  | 2 days              |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| +30 °C                               | 16 hours  | 1 day               |                      |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
| <b>Applied Product Ready for Use</b> | <b>Temperature</b>  | <b>Foot traffic</b> | <b>Light traffic</b> |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
|                                      | +10 °C  | ~72 hours           | ~6 days              |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
|                                      | +20 °C  | ~24 hours           | ~4 days              |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
|                                      | +30 °C  | ~18 hours           | ~2 days              |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
|                                      |   |                     | <b>Full cure</b>     |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
|                                      |   |                     | ~10 days             |                       |         |         |        |          |        |        |          |        |        |         |       |                       |         |         |        |          |        |        |          |        |        |          |       |
|                                      |   |                     | ~7 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-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 discoloration 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 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.

## 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.

### SYSTEM DATA SHEET

Sikafloor® MultiDur ET-18  
December 2023, Version 01.02  
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# 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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