

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-13

SLIP RESISTANT BROADCAST COLOURED EPOXY FLOOR COATING SYSTEM



DESCRIPTION

Sikafloor® MultiDur EB-13 is a 2-part, epoxy, coloured, resin-based floor coating system that can provide a hard wearing, seamless, low maintenance, slip resistant gloss finish when broadcasted with different aggregate grades. For normal - medium wear conditions. Thickness 2,0–3,0 mm. Internal and external use.

USES

Sikafloor® MultiDur EB-13 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.
- On multi-storey and underground car park decks and for wet process areas, e.g. beverage and food industry

CHARACTERISTICS / ADVANTAGES

- Improved resistance against amine blushing
- Seamless and hygienic
- Good chemical and mechanical resistance
- Waterproof
- Gloss finish
- Slip resistant surface to suit clients requirements
- Low maintenance
- Easy cleanability

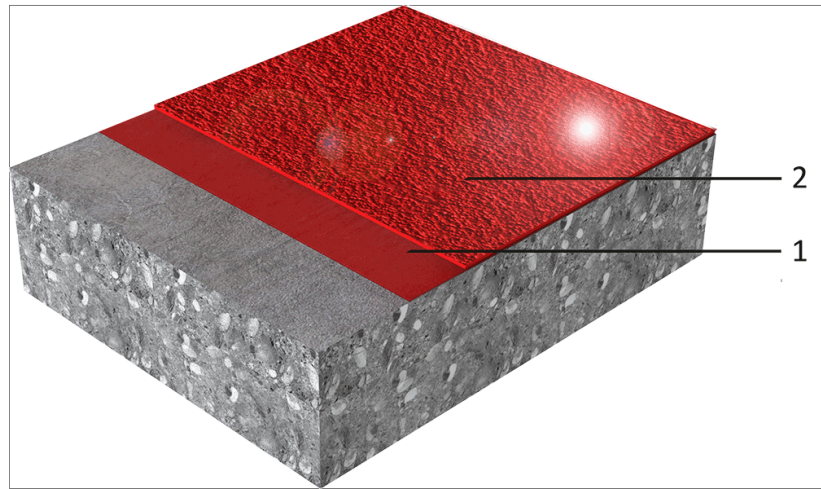
APPROVALS / CERTIFICATES

- Surface Protection System DIN EN 1504-2, DIN V 18026, Sika Comfortfloor® Marble FX, kiwa, Test report No. P 7878
- Parking Abrasion Sikafloor® MultiDur EB-13, Technische Universität Kaiserslautern, Test report No. A255-1

SYSTEMS

System Structure

Sikafloor® MultiDur EB-13



| | |
|-----------------------------|---|
| 1. Scratch coat & broadcast | Sikafloor®-150/-151 & broadcast with quartz sand 0,3–0,8 mm |
| 2. Seal / Top coat | Sikafloor®-378 |

| | |
|--------------------------|------------------------------|
| Composition | Epoxy |
| Appearance | Slip resistant, gloss finish |
| Colour | Available in many colours |
| Nominal Thickness | ~2,0–3,0 mm |

TECHNICAL INFORMATION

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|-------------------------------|---|-----------------|
| Chemical Resistance | Resistant to many chemicals. Contact Sika Technical Service for specific information. | |
| 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 | Layer | Product | Consumption |
|-------------|--------------------|--|----------------------------|
| | 1. Scratch coat | 1 × Sikafloor®-150 filled at 1:1 with quartz sand 0,1–0,4mm or Sikafloor®-151 filled at 1:0.5 with quartz sand 0,1–0.4mm | ~1,3 kg/m ² |
| | Broadcast layer | Quartz sand 0,3–0,8 mm to excess | ~4–6 kg/m ² |
| | 2. Seal / Top coat | 1–2 × Sikafloor®-378 | ~0,6–0,8 kg/m ² |

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

| | |
|--------------------------------|---------------------------|
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|----------------------|---------------------|------------------------------|------------------|----------------|-----------|----------|----------|--------|-----------|---------|---------|---------|-----------|------------------------------|----------------|--|--------|----------|----------|--------|----------|----------|--------|----------|----------|
| Substrate Temperature | +10 °C min. / +30 °C max. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Substrate Moisture Content | ≤ 4 % parts by weight Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waiting Time / Overcoating | <p>Before applying Sikafloor®-378 on Sikafloor®-150/-151 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>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> <p>Before applying Sikafloor®-378 on Sikafloor®-378 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>30 hours</td> <td>48 hours</td> </tr> <tr> <td>+20 °C</td> <td>24 hours</td> <td>24 hours</td> </tr> <tr> <td>+30 °C</td> <td>16 hours</td> <td>30 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 | 3 days | +20 °C | 12 hours | 2 days | +30 °C | 8 hours | 1 day | Substrate temperature | Minimum | Maximum | +10 °C | 30 hours | 48 hours | +20 °C | 24 hours | 24 hours | +30 °C | 16 hours | 30 hours |
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| +20 °C | 24 hours | 24 hours | | | | | | | | | | | | | | | | | | | | | | | | | |
| +30 °C | 16 hours | 30 hours | | | | | | | | | | | | | | | | | | | | | | | | | |
| Applied Product Ready for Use | <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>~72 hours</td> <td>~6 days</td> <td>~10 days</td> </tr> <tr> <td>+20 °C</td> <td>~24 hours</td> <td>~4 days</td> <td>~7 days</td> </tr> <tr> <td>+30 °C</td> <td>~18 hours</td> <td>~2 days</td> <td>~5 days</td> </tr> </tbody> </table> | 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 | Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity | | | | | | | | | |
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PRODUCT INFORMATION

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|---------------------------|--|
| Packaging | Refer to the individual Product Data Sheet |
| Shelf life | Refer to the individual Product Data Sheet |
| Storage conditions | 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
- Individual Product Data Sheets within the flooring system

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor® MultiDur EB-13 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-13 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®-378 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 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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