

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-27

Slip resistant broadcast coloured epoxy floor system

PRODUCT DESCRIPTION

Sikafloor® MultiDur EB-27 is a 2-part epoxy coloured resin based flooring system that can provide a hard wearing, seamless, low maintenance, slip resistant finish when broadcast with different aggregate grades. For medium - heavy wear conditions. Thickness 2.0–4.0 mm. Internal use

USES

Sikafloor® MultiDur EB-27 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

- 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

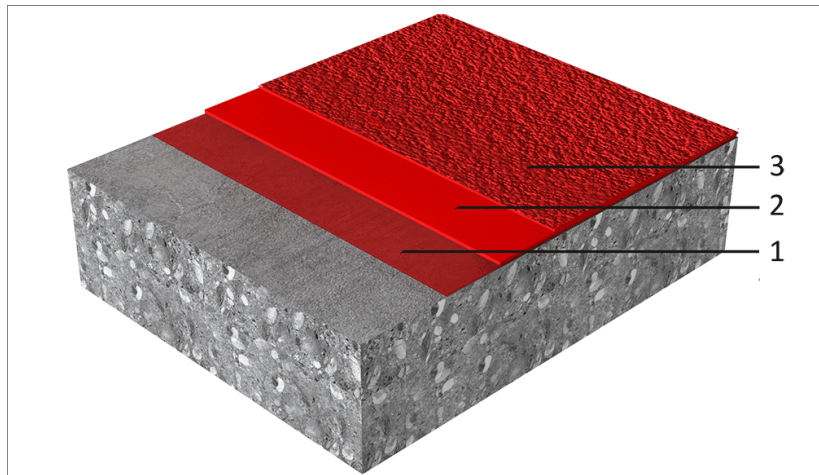
- Seamless
- High wear resistance
- Good chemical and mechanical resistance
- Easy application
- Waterproof
- Gloss finish
- Slip resistant
- Low maintenance

APPROVALS / STANDARDS

Fire classification test, Bfl-S1 according to DIN EN 13501-1.

SYSTEM INFORMATION

System Structure



Sikafloor® MultiDur EB-27 system (~ 2–4 mm)

| Layer | Product |
|-------------------|--|
| 1. Primer | Sikafloor®-150/-151 |
| 2. Wearing finish | Sikafloor®-263 SL N or Sikafloor®-264 N broadcast with quartz sand in excess |
| 3. Seal /Top coat | Sikafloor®-264 N |

| | |
|-------------------|------------------------------|
| Composition | Epoxy |
| Appearance | Slip resistant, gloss finish |
| Colour | Available in many colours |
| Nominal thickness | ~2.0– 4.0 mm |

TECHNICAL INFORMATION

| | | |
|------------------------|---|------------------|
| Reaction to Fire | Bfl-S1 | (DIN EN 13501-1) |
| Chemical Resistance | Resistant to many chemicals. Contact Sika Technical Service for specific information. | |
| Thermal 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. | |
| Skid / Slip Resistance | R11 V4 (Quartz Sand 0.3–0.8 mm) | (DIN 51130) |
| | R12 V6 (Quartz Sand 0.6–1.2 mm) | (DIN 51130) |

APPLICATION INFORMATION

| | | | | |
|--|--|--|---|------------------|
| Consumption | Sikafloor® MultiDur EB-27 system (~ 2–4mm) | | | |
| | Flooring System | Product | Consumption | |
| | Primer | 1 × Sikafloor®-150 /-151 | ~ 0.3–0.5 kg/m ² | |
| | Wearing layer | Sikafloor®-263 SL N or Sikafloor®-264 N filled 1:1 with quartz sand 0.06–0.3mm | ~ 4 kg /m ² (2 kg/m ² binder + 2 kg/m ² quartz sand) | |
| | Sand broadcast | Quartz sand 0.3 – 0.8 mm | ~ 4–6 kg/m ² | |
| Seal / Top coat | 1–2 × Sikafloor®-264 N | ~0.6–0.8 kg/m ² | | |
| Product Temperature | Please refer to the individual Product Data Sheet | | | |
| 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 | ≤ 4% pbw 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®-263 SL N/-264 Non Sikafloor®-150/-151 allow: | | | |
| | Substrate temperature | Minimum | Maximum | |
| | +10 °C | 24 hours | 3 days | |
| | +20 °C | 12 hours | 2 days | |
| | +30 °C | 8 hours | 1 day | |
| | Before applying Sikafloor®-264 N on Sikafloor®-263 SL N /-264 N allow: | | | |
| | Substrate temperature | Minimum | Maximum | |
| | +10 °C | 30 hours | 48 hours | |
| | +20 °C | 24 hours | 30 hours | |
| | +30 °C | 16 hours | 24 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 | ~ 72 hours | ~ 6 days | ~ 10 days |
| | +20 °C | ~ 24 hours | ~ 4 days | ~ 7 days |
| | +30 °C | ~ 18 hours | ~ 2 days | ~ 5 days |

PRODUCT INFORMATION

| | |
|---------------------------|--|
| 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 |

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTS

- Refer to :
- Sika® Information Manual Mixing & Applications of Flooring systems
 - Sika® Information Manual Evaluation and Prepara-

LIMITATIONS

- Do not apply Sikafloor® MultiDur EB-27 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-27 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®-264 N 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 CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

MAINTENANCE

CLEANING

Refer to the Information Manual Sikafloor®- Cleaning Regime

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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 IRELAND LIMITED

Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @Sikalreland



System Data Sheet
Sikafloor® MultiDur EB-27
January 2021, Version 01.01
020811900000000078

SikafloorMultiDurEB-27-en-IE-(01-2021)-1-1.pdf