BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-12

Slip resistant broadcast coloured epoxy floor coating system

SIKA NZ APPROVED CONTRACTOR ONLY

DESCRIPTION

Sikafloor® MultiDur EB-12 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 broadcast with different aggregate grades. For medium - heavy wear conditions. Thickness 2.0–3.0 mm. Internal use.

USES

Sikafloor® MultiDur EB-12 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

- Seamless
- Good chemical and mechanical resistance
- Easy application
- Waterproof
- Gloss finish
- Easy cleanability
- Low maintenance
- Conforms to OS 8 German standards

ENVIRONMENTAL INFORMATION

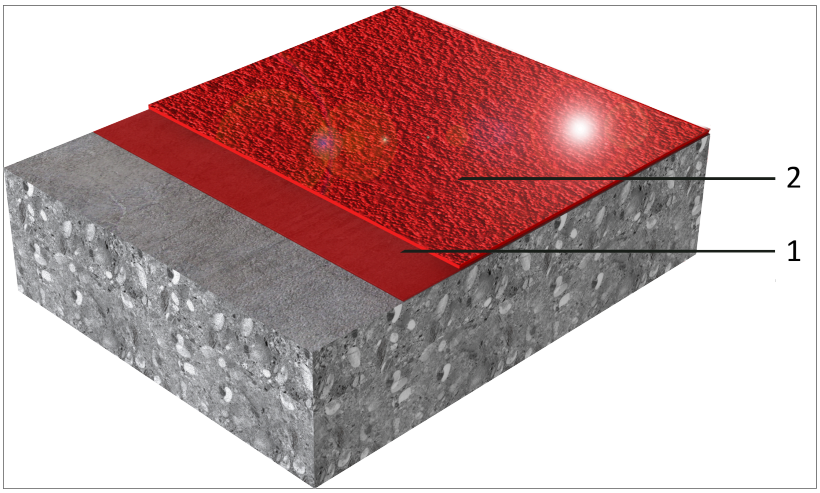
- Conformity with LEED v4 MRc 2 (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations - Sikafloor®-150, Sikafloor®-151
- Conformity with LEED v4 MRc 4 (Option 2): Building Product Disclosure and Optimization - Material Ingredients - Sikafloor®-150, Sikafloor®-151
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings - Sikafloor®-150, Sikafloor®-151
- IBU Environmental Product Declaration (EPD) available - Sikafloor®-150, Sikafloor®-151

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection systems for concrete - Coating.
- CE Marking and Declaration of Performance to EN 13813 - Resin screed material for internal use in buildings - Sikafloor®-150, Sikafloor®-151, Sikafloor®-264 N
- Sliding test DIN 51130, Sikafloor®-264 N, Roxeler, Certificates No. 020044-17-9, 020044-17-21, 020044-17-11, 020044-17-10, 020044-17-22
- Surface Protection System OS 8 EN 1504-2, Sikafloor® MultiDur EB-12, kiwa, Test report No. P 11210

SYSTEM INFORMATION

System Structure



Sikafloor® MultiDur EB-12 system (~2–3 mm)

Layer	Product
1. Scratch coat & Sand broadcast	Sikafloor®-150/-151,quartz sand 0.4 – 0.7 mm / Sika® Aggregate-508
2. Wearing finish	Sikafloor®-264 N

Composition	Epoxy
Appearance	Slip resistant, gloss finish
Colour	Available in many colours.
Nominal thickness	~2.0 – 3.0 mm

TECHNICAL INFORMATION

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.

APPLICATION INFORMATION

Consumption

Sikafloor® MultiDur EB-12 system (~2–3 mm)

Coating System	Product	Consumption
Scratch Coat	1 × Sikafloor®-150 filled at 1:1 with quartz sand 0.1–0.4mm / Sika® Aggregate-508 or Sikafloor®-151 filled at 1:0.5 with quartz sand 0.1–0.4mm / Sika® Aggregate-508	~1.3 kg/m²
Sand Broadcast	Quartz sand 0.4–0.7 mm / Sika® Aggregate-501	~4–6 kg/m²
Seal / Top coat	1 × Sikafloor®-264 N	~0.6–0.8 kg/m²

Product Temperature	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% parts by weight Using Sikafloor®-150 ≤ 6% parts by weight Using Sikafloor®-151 Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). Osmosis caused by rising moisture or incorrect primer application is not covered by product warranty
Waiting Time / Overcoating	Before applying Sikafloor®-264 N on Sikafloor®-156/-161/-160 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®-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

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 Sikafloor® MultiDur EB-12 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-12 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 CO_2 and H_2O 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.

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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