

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-14

BROADCAST UNICOLOUR EPOXY FLOOR COVERING CONFORMING TO OS 8 GERMAN STANDARDS

PRODUCT DESCRIPTION

Sikafloor® MultiDur EB-14 is a slip resistant, coloured, rigid flooring system based on epoxy resins conforming to OS8 German standards.

USES

Sikafloor® MultiDur EB-14 may only be used by experienced professionals.

- For concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps.
- For multi-storey and underground car parks and for wet process areas, e.g. beverage and food industry

CHARACTERISTICS / ADVANTAGES

- Conforming the OS 8 German standards
- Good chemical and mechanical resistance
- Easy application
- Liquid proof
- Gloss finish
- Easy cleanability

APPROVALS / STANDARDS

- Slip resistance certificate according to DIN 51130, class R11 V4, Report No.020108-13-16, Roxeler Institute, October 2013, Germany
- Slip resistance certificate according to DIN 51130, class R12 V6, Report No.020108-13-18, Roxeler Institute, October 2013, Germany
- Certified as Surface Protection System OS 8 according to DIN EN 1504-2 and DIN V 18026.

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur EB-14 system 1 (~ 3–4 mm)

1. Scratch coat & broadcast	Sikafloor®-151 & broadcast with quartz sand 0.3–0.8 mm
2. Wearing coat	Sikafloor®-264 N

Sikafloor® MultiDur EB-14 system 2 (~ 2–3 mm)

1. Scratch coat & broadcast	Sikafloor®-151 & broadcast with quartz sand 0.3–0.8 mm
2. Wearing coat	Sikafloor®-264 N

Sikafloor® MultiDur EB-14 system 3 (~ 5–6 mm)

1. Primer	Sikafloor®-151 & broadcast with quartz sand 0.3–0.8 mm
2. Base coat	Sikafloor®-151 filled with quartz sand 0.06–0.3 mm
3. Broadcasting	quartz sand 0.6–1.2 mm
4. Wearing coat	Sikafloor®-264 N

Composition

Epoxy

Appearance

Slip resistant, gloss finish

Colour

Available in various colour shades.

TECHNICAL INFORMATION

Chemical Resistance

Please refer to the chemical resistance chart of Sikafloor®- 264 N

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	(DIN 51130)
R12 V6	(DIN 51130)

APPLICATION INFORMATION

Consumption

Sikafloor® MultiDur EB-14 system 1 (~3-4mm, Rigid broadcast system for interior use, unreinforced)

Coating System	Product	Consumption
Scratch Coat	1 × Sikafloor®-151 filled at 1:0.5 with quartz sand 0.06–0.3mm	~1.8 kg/m ²
Broadcast in excess	quartz sand 0.3–0.8 mm	~6 kg/m ²
Top coat	1-2 × Sikafloor®-264 N	~0.7 kg/m ²

Sikafloor® MultiDur EB-14 system 2 (~2-3mm, Rigid broadcast system for interior use, unreinforced)

Coating System	Product	Consumption
Scratch Coat	1 × Sikafloor®-151 filled at 1:0.5 with quartz sand 0.06–0.3mm	~1.2 kg/m ²
Broadcast in excess	quartz sand 0.3–0.8 mm	~5 kg/m ²
Top coat	1-2 × Sikafloor®-264 N	~0.7 kg/m ²

Sikafloor® MultiDur EB-14 system 3 (~5-6mm, Rigid broadcast system for interior ramps, unreinforced)

Coating System	Product	Consumption
Primer	1-2 × Sikafloor®-151	~0.4 kg/m ²
Broadcasting	quartz sand 0.6–1.2 mm	~2-3 kg/m ²
Base Coat	1 × Sikafloor®-151 filled at 1:1 with quartz sand 0.06–0.3mm + 2% Extender T	~3.2 kg/m ²
Broadcast in excess	quartz sand 0.6–1.2 mm	~5 kg/m ²
Top coat	1-2 × Sikafloor®-264 N	~0.8 kg/m ²

If necessary, different aggregate may be used in order to fulfil the client's specific requirements. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

All areas subject to potential movement should be fleece reinforced with Sika Reemat Premium. Please consult Sika for further information.

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	When performing application work with Sikafloor® MultiDur EB-14, 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®-264 N on Sikafloor®-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®-264 N allow:

Substrate temperature	Minimum	Maximum
+10 °C	30 hours	48 hours
+20 °C	24 hours	24 hours
+30 °C	16 hours	30 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	Please refer to the individual Product Data Sheet
Shelf Life	Please refer to the individual Product Data Sheet
Storage Conditions	Please refer to the individual Product Data Sheet

MAINTENANCE

powered warm air blower systems.

CLEANING

Please refer to the Information Manual Sikafloor®-Cleaning Regime

FURTHER DOCUMENTS

- Sika® Information Manual Mixing & Applications of Flooring systems
- Sika® Information Manual Evaluation and Preparation of Surfaces for Flooring systems

LIMITATIONS

- Do not apply Sikafloor® MultiDur EB-14 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-14 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 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

VALUE BASE

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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