

SYSTEM DATA SHEET

Sikafloor® MultiDur EB-15 AP

BROADCAST EPOXY FLOOR COVERING WITH HIGH MECHANICAL AND SLIP RESISTANCE

DESCRIPTION

Sikafloor® MultiDur EB-15 AP is a 1.5 mm slip resistant, coloured, epoxy covering with high mechanical resistance for flooring applications

USES

Sikafloor® MultiDur EB-15 AP may only be used by experienced professionals.

Sikafloor® MultiDur EB-15 AP is used as:

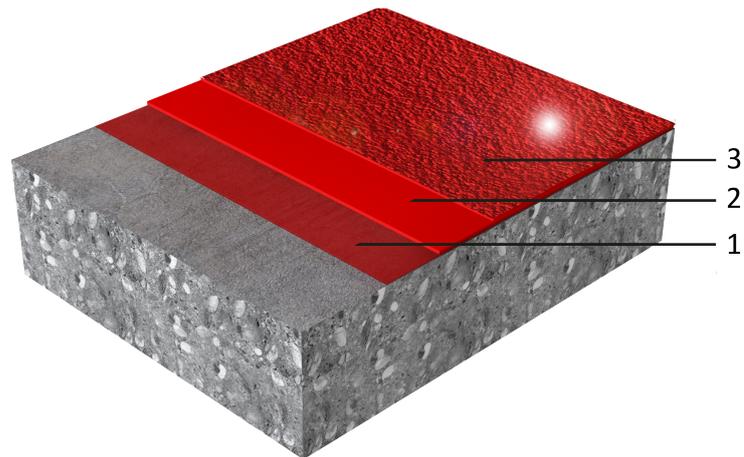
- For concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps.
- For multi-storey and underground car parks and for wet process areas, e.g. beverage and food industry

CHARACTERISTICS / ADVANTAGES

- Good chemical and mechanical resistance
- Good wear resistance
- Good slip resistance
- Easy application
- Liquid proof
- Wide range of RAL colour

SYSTEM INFORMATION

System Structure



Layer	Build-up	Product
1	Primer	Sikafloor®-151 / 150 / 150 PLUS
2	Base coat	Sikafloor®-264 PLUS + Quartz sand (0.3-1.2mm) Sika Aggregate-501
3	Seal Coat	Sikafloor®-264 PLUS

Composition	Epoxy
Appearance	Antiskid broadcasted gloss finish
Colour	Available in a range of RAL shades
Minimum thickness	1.5 mm

TECHNICAL INFORMATION

Shore D Hardness	~ 80 (14 days / +23°C)	(DIN 53505)
Abrasion Resistance	~430 mg (H22 / 1000 g / 1000 cycles) Cured 7 days at +23 °C	(EN ISO 5470-1)
Compressive Strength	~ 140 MPa (28 days / +23°C)	(EN ISO 604)
Flexural Strength	~ 45 MPa (28 days / +23°C)	(ISO 178)
Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.	

APPLICATION INFORMATION

Consumption	Build-up	Product	Consumption
	Primer	Sikafloor®-151/ 150 / 150 PLUS	0.35-0.5 kg/m ² (~0.2-0.4L/m ²)
	Base coat	Sikafloor®-264 PLUS	0.40 kg/m ² (~0.27L/m ²)
	Light broadcast	Quartz sand (0.3-1.2mm) Sika Aggregate-501	~1.00 kg/m ²
	Seal coat	Sikafloor®-264 PLUS	0.6-0.7 kg/m ² (~0.4-0.47L/m ²)

Product Temperature	Please refer to the individual Product Data Sheet
Ambient Air Temperature	+8°C min. / +35°C max.
Relative Air Humidity	80% max.
Dew Point	Beware of condensation! The substrate must be at least 3°C above the Dew Point to reduce the risk of condensation, which may lead to adhesion failure or “blushing” on the floor finish.
Substrate Temperature	+10°C min. / +30°C max.
Substrate Moisture Content	≤ 4% pbw using Sikafloor®-150 / 150 PLUS ≤ 6% pbw 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 the product warranty.

Pot Life	Temperature	Time
	+10°C	50 minutes
	+20°C	25 minutes
	+30°C	15 minutes

Waiting Time / Overcoating Before applying Sikafloor®-264 PLUS on Sikafloor®-151 / 150 / 150 PLUS allow:

Substrate temperature	Minimum	Maximum
+10°C	30 hours	3 days
+20°C	24 hours	2 days
+30°C	16 hours	1 days

Before applying Sikafloor®-264 PLUS on Sikafloor®-264 PLUS allow:

Substrate temperature	Minimum	Maximum
+10°C	30 hours	3 days
+20°C	24 hours	2 days
+30°C	16 hours	1 days

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

Note: Times are approximate and will be affected by changing ambient conditions

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.

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.

APPLICATION INSTRUCTIONS

EQUIPMENT

Sikafloor®-264 PLUS must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

SUBSTRATE QUALITY

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 MPa) with a minimum pull off strength of 1.5 MPa.
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. If in doubt apply a test area first.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling can be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.

SUBSTRATE PREPARATION

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

High spots must be removed by e.g. diamond grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum

MIXING

Pre - mix is recommended for component A & colour component one day prior to application. Prior to mixing, stir part A mechanically when all of part B has been added to part A, mix continuously for 2-3 minutes until a uniform mix has been achieved. Decan whole mixed materials to another container & mix for a further 1 minute to achieve consistent mix & avoid any lumps or unmixed particle in the container. Over mixing must be avoided to minimize air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point.

Primer

Make sure that a continuous, pore free coat covers the substrate. Sikafloor®-151 / 150 / 150 PLUS by trowel & back roll with a roller.

Broadcast:

Broadcast quartz sand uniformly on base layer

Seal coating

Sikafloor®-264 PLUS topping can be applied by squeegee & back roll with coating roller.

CLEANING OF TOOLS

Clean all tools and application equipment with Thinner C or suitable solvent immediately after use. Hardened and/or cured material can only be removed mechanically.

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-264 HC must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes. Refer to the document "Cleaning & Maintenance guideline"

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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