

SYSTEM DATA SHEET

Sikafloor® MultiDur ES-23

Coloured mechanically resistant flooring system

PRODUCT DESCRIPTION

Sikafloor® MultiDur ES-23 is a finely textured, coloured, resin based floor coating system. It provides a hard wearing, seamless, low maintenance glossy finish.

USES

Sikafloor® MultiDur ES-23 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

- Chemical and processing facilities
 - Manufacturing facilities and workshops
 - Leisure and culture facilities (Museums, Stadiums)
- The system can be used in industrial buildings such as:

CHARACTERISTICS / ADVANTAGES

- Improved scratch resistance
- Outstanding appearance and finish
- Good scratch resistance
- High chemical resistance
- High mechanical resistance
- Good resistance to UV exposure
- Good yellowing resistance

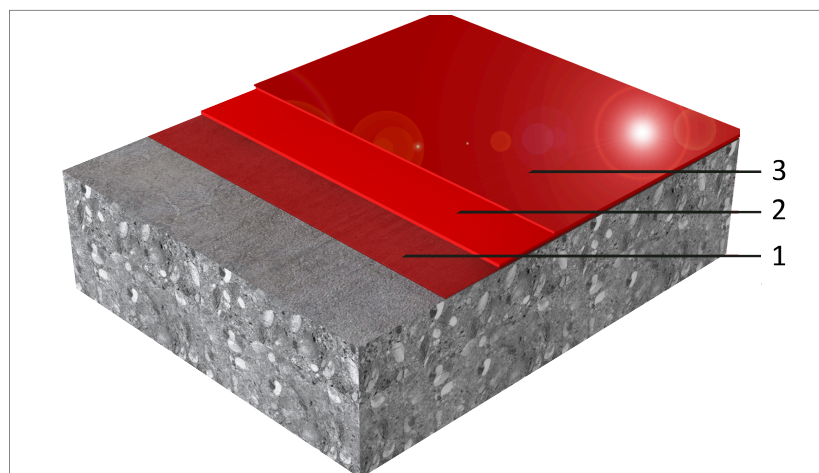
APPROVALS / STANDARDS

- Fire classification report, EN 13501-1, Ghent University, Report No. CR 20-1150-02
- Slip resistance DIN 51130, Sikafloor® MultiDur ES-23, Roxeler, Certificate No. 020017-21-2

SYSTEM INFORMATION

System Structure

Sikafloor® MultiDur ES-23 (~2,0–3,0 mm)
SELF-SMOOTHING / RESIN SCREED



Layer	Product
1. Primer or scratch coat	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-144 Sikafloor®-701 Note: Contact Sika technical service for information on choosing the right primer for your project.
2. Wearing layer	Sikafloor®-263 SL N Sikafloor®-264 N
3. Seal coat or top coat	Sikafloor®-316 + 2 % glass beads (90–150 µm)

Composition	Epoxy and polyurea
Colour	Available in a wide range of colours. Please contact Sika customer service for availability.
Nominal thickness	~2 mm to 3 mm

TECHNICAL INFORMATION

Reaction to Fire	Class B _{fl} -s1	(EN 13501-1)
Chemical Resistance	Refer to the chemical resistance of Sikafloor®-316.	
Skid / Slip Resistance	R 9	(DIN 51130)

APPLICATION INFORMATION

Consumption	Layer	Product	Consumption
	Primer or scratch coat	Sikafloor®-150 Sikafloor®-151 Sikafloor®-156 Sikafloor®-161 Sikafloor®-144 Sikafloor®-701	~0.3–0.5 kg/m ²
	Wearing layer	1 × Sikafloor®-263 SL N or Sikafloor®-264 N filled up to 1:1 with quartz sand (0.1–0.3 mm) by weight depending on temperature	~1.9 kg /m ² per mm thickness
	Seal coat or top coat	1 × Sikafloor®-316 + 2 % glass beads (90–150 µm) by weight	~ 0.07–0.1 kg/m ² per layer

Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Ambient Air Temperature	Minimum	+15 °C
	Maximum	+30 °C
Dew Point	Refer to the individual Product Data Sheet.	
Substrate Temperature	Minimum	+15 °C
	Maximum	+30 °C

Substrate Moisture Content Refer to the individual Product Data Sheet.

Waiting Time / Overcoating

Before applying Sikafloor®-263 SL N / -264 N on Sikafloor®-150/-151/-156/-161 allow:

Substrate Temperature	Minimum	Maximum
+10 °C	24 hours	4 days
+20°C	12 hours	48 hours
+30 °C	8 hours	24 hours

Before applying Sikafloor®-316 on Sikafloor®-263 SL N/-264 N allow:

Substrate Temperature	Minimum	Maximum
+15 °C	18 hours	3 days
+20°C	16 hours	48 hours
+30 °C	12 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
	+15 °C	~18 hours	~42 hours	~10 days
	+20 °C	~16 hours	~36 hours	~7 days
	+30 °C	~12 hours	~24 hours	~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 in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTS

- Sika® Method Statement: Evaluation and preparation of surfaces for flooring 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.

APPLICATION INSTRUCTIONS

APPLICATION

IMPORTANT

Abrading the surface underneath the top coat

Before applying each layer of top coat, abrade the application surface with a 120 grit sandpaper until the surface turns matt. Remove the resulting dust with in-

dustrial vacuuming equipment and solvent wiping. After clean-up, the surface must be of uniformly matt with no gloss present, before applying the next coat
IMPORTANT

Protecting the material after application

After application, protect the System from damp, condensation and direct water contact for at least 24 hours.

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.

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