

## SYSTEM DATA SHEET

# Sikafloor® Multidur EB-14 UV

BROADCAST UNICOLOUR EPOXY FLOOR COVERING, DESIGNED FOR CAR PARKING STRUCTURES

## PRODUCT DESCRIPTION

Sikafloor® MultiDur EB-14 UV is a slip-resistant, coloured, rigid flooring System based on epoxy resins.

## USES

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

- For concrete and cementitious screeds with normal, up to medium heavy, wear (e.g. storage and assembly halls, maintenance workshops, garages, loading ramps, etc.).
- 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.
- Easy application.
- Impermeable to liquids.
- Matt finish.
- Slip resistant.
- Easily cleaned.
- Available in numerous colours.
- Durable solution.
- Economical.
- Unlike standard epoxy Systems, Sikafloor® MultiDur EB-14 UV offers UV resistance.
- Multi-option System.
- System option for applications where movement is anticipated, or possible.

## PRODUCT INFORMATION

<b>Packaging</b>	Please refer to the individual Product Data Sheet
<b>Shelf Life</b>	Please refer to the individual Product Data Sheet
<b>Storage Conditions</b>	Please refer to the individual Product Data Sheet

## TECHNICAL INFORMATION

**Chemical Resistance** Please refer to the chemical resistance chart of Sikafloor®-359 N

### Thermal Resistance

<b>Exposure*</b>	<b>Dry Heat</b>
Permanent	+50 °C
Short-term (maximum 7 days)	+80 °C
Short-term (maximum 12 hours)	+100 °C

NOTE: 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 V6 (DIN 51130)

# SYSTEM INFORMATION

## System Structure

### Sikafloor® MultiDur EB-14 UV System 1 (~3 to 4 mm)

1. Scratch Coat and Broadcast	Sikafloor®-151 and broadcast with quartz sand 0.3–0.8 mm
2. Wearing Coat	Sikafloor®-359 N

### Sikafloor® MultiDur EB-14 UV System 2 (~2 to 3 mm)

1. Scratch Coat and Broadcast	Sikafloor®-151 and broadcast with quartz sand 0.3–0.8 mm
2. Wearing Coat	Sikafloor®-359 N

### Sikafloor® MultiDur EB-14 UV System 3 (~5 to 6 mm)

1. Primer and Broadcast	Sikafloor®-151 and broadcast with quartz sand 0.3–0.8 mm
2. Base Coat	Sikafloor®-151 filled with quartz sand 0.06–0.3 mm plus Extender T
3. Broadcast	Broadcast with quartz sand 0.6–1.2 mm
4. Wearing Coat	Sikafloor®-359 N

## Composition

Epoxy (Base Layer) and Polyurethane (Top Coat)

## Appearance

Slip resistant, matt finish

## Colour

Available in various colour shades.

# APPLICATION INFORMATION

## Consumption

### Sikafloor® MultiDur EB-14 UV System 1 (~3 to 4 mm, Rigid Broadcast System, 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 <sup>2</sup>
Broadcast in Excess	Quartz sand 0.3–0.8 mm	~6 kg/m <sup>2</sup>
Top Coat	1 to 2 × Sikafloor®-359 N	~0.8 kg/m <sup>2</sup>

### Sikafloor® MultiDur EB-14 UV System 2 (~2 to 3 mm, Rigid Broadcast System, 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 <sup>2</sup>
Broadcast in Excess	Quartz sand 0.3–0.8 mm	~5 kg/m <sup>2</sup>
Top Coat	1 to 2 × Sikafloor®-359 N	~0.8 kg/m <sup>2</sup>

**Sikafloor® MultiDur EB-14 UV System 3 (~5 to 6 mm, Rigid Broadcast Ramp System, Unreinforced)**

<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
Primer	1 to 2 x Sikafloor®-151	1 to 2 x ~0.4 kg/m <sup>2</sup>
Broadcasting	Quartz sand 0.6–1.2 mm	~2 to 3 kg/m <sup>2</sup>
Base Coat	1 x Sikafloor®-161 filled at 1:1 with quartz sand 0.06–0.3mm + 2% Extender T	~3.2 kg/m <sup>2</sup>
Broadcast in Excess	Quartz sand 0.6–1.2 mm	~5 kg/m <sup>2</sup>
Top Coat	1 to 2 x Sikafloor®-359 N	~0.8 kg/m <sup>2</sup>

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.

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

<b>Product Temperature</b>	Please refer to the individual Product Data Sheet			
<b>Ambient Air Temperature</b>	+10 °C minimum / +30 °C maximum			
<b>Relative Air Humidity</b>	80 % r.h. maximum			
<b>Dew Point</b>	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.			
<b>Substrate Temperature</b>	+10 °C minimum / +30 °C maximum			
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® MultiDur EB-14 UV, the substrate moisture content must not exceed 4 % pbw, measured by Sika®-Tramex meter. Test method: Sika®-Tramex meter, CM-measurement or oven-dry-method. No rising moisture according to ASTM (i.e. polyethylene-sheet).			
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-359 N on Sikafloor®-161, allow:			
	<b>Substrate Temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	24 hours	3 days	
	+20 °C	12 hours	2 days	
	+30 °C	8 hours	1 day	
	Before applying Sikafloor®-359 N on Sikafloor®-359 N, allow:			
	<b>Substrate Temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	30 hours	48 hours	
	+20 °C	24 hours	30 hours	
	+30 °C	16 hours	24 hours	
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot Traffic</b>	<b>Light Traffic</b>	<b>Full Cure</b>
	+10 °C	~72 hours	~6 days	~10 days
	+20 °C	~24 hours	~4 days	~7 days
	+30 °C	~18 hours	~2 days	~5 days

**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.

**FURTHER DOCUMENTS**

- Sika® Information Manual Mixing and Application of



Flooring Systems.

- Sika® Information Manual Evaluation and Preparation of Surfaces for Flooring Systems.

## LIMITATIONS

- Do not apply Sikafloor® MultiDur EB-14 UV on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur EB-14 UV 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®-359 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 CO<sub>2</sub> and H<sub>2</sub>O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## MAINTENANCE

### CLEANING

Please refer to the Information Manual 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.

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