

## SYSTEM DATA SHEET

# Sikafloor® MultiDur EB-14 Rapid

## BROADCAST UNICOLOUR EPOXY FLOOR COVERING FOR CAR PARKING STRUCTURES

### PRODUCT DESCRIPTION

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

### USES

Sikafloor® MultiDur EB-14 Rapid 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

- Good chemical and mechanical resistance
- Easy application
- Liquid proof
- Gloss finish
- Easy cleanability

### SYSTEM INFORMATION

<b>System Structure</b>	<p><b>Sikafloor® MultiDur EB-14 Rapid system 1 (~3-4 mm)</b></p> <table border="1"> <tbody> <tr> <td>1. Scratch coat &amp; broadcast</td> <td>Sikafloor®-151 &amp; broadcast with quartz sand 0.3–0.8 mm</td> </tr> <tr> <td>2. Wearing coat</td> <td>Sikafloor®-18 Pronto</td> </tr> </tbody> </table> <p><b>Sikafloor® MultiDur EB-14 Rapid system 2 (~2-3 mm)</b></p> <table border="1"> <tbody> <tr> <td>1. Scratch coat &amp; broadcast</td> <td>Sikafloor®-151 &amp; broadcast with quartz sand 0.3–0.8 mm</td> </tr> <tr> <td>2. Wearing coat</td> <td>Sikafloor®-18 Pronto</td> </tr> </tbody> </table> <p><b>Sikafloor® MultiDur EB-14 Rapid system 3 (~5-6 mm)</b></p> <table border="1"> <tbody> <tr> <td>1. Primer</td> <td>Sikafloor®-151 &amp; broadcast with quartz sand 0.3–0.8 mm</td> </tr> <tr> <td>2. Base coat</td> <td>Sikafloor®-151 filled with quartz sand 0.06–0.3 mm plus Extender T</td> </tr> <tr> <td>3. Broadcasting</td> <td>quartz sand 0.6–1.2 mm</td> </tr> <tr> <td>4. Wearing coat</td> <td>Sikafloor®-18 Pronto</td> </tr> </tbody> </table>	1. Scratch coat & broadcast	Sikafloor®-151 & broadcast with quartz sand 0.3–0.8 mm	2. Wearing coat	Sikafloor®-18 Pronto	1. Scratch coat & broadcast	Sikafloor®-151 & broadcast with quartz sand 0.3–0.8 mm	2. Wearing coat	Sikafloor®-18 Pronto	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 plus Extender T	3. Broadcasting	quartz sand 0.6–1.2 mm	4. Wearing coat	Sikafloor®-18 Pronto
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<b>Composition</b>	Epoxy (base layer) & PMMA (top coat)																
<b>Appearance</b>	Slip resistant, gloss finish																
<b>Colour</b>	Available in various colour shades.																

## TECHNICAL INFORMATION

<b>Chemical Resistance</b>	Please refer to the chemical resistance chart of Sikafloor®-18 Pronto	
<b>Thermal Resistance</b>	Exposure*	Dry heat
	Permanent	+50 °C
	Short-term max. 1 h	+80 °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.	
<b>Skid / Slip Resistance</b>	R11 V6	(DIN 51130)

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Sikafloor® MultiDur EB-14 Rapid system 1 (~3-4mm, Rigid broadcast system, unreinforced)</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	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	1-2 × Sikafloor®-18 Pronto	~0.5 kg/m <sup>2</sup>
	<b>Sikafloor® MultiDur EB-14 Rapid system 2 (~2-3mm, Rigid broadcast system, unreinforced)</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	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	~6 kg/m <sup>2</sup>
	Top coat	1-2 × Sikafloor®-18 Pronto	~0.5 kg/m <sup>2</sup>
	<b>Sikafloor® MultiDur EB-14 Rapid system 3 (~5-6mm, Rigid broadcast ramp system, unreinforced)</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	Primer	1-2 × Sikafloor®-151	1-2 x ~0.4 kg/m <sup>2</sup>
Broadcasting	quartz sand 0.6–1.2 mm	~2-3 kg/m <sup>2</sup>	
Base Coat	1 × Sikafloor®-151 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	~6 kg/m <sup>2</sup>	
Top coat	2 × Sikafloor®-18 Pronto	~0.7 kg/m <sup>2</sup> (Total)	

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.

<b>Product Temperature</b>	Please refer to the individual Product Data Sheet
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.
<b>Relative Air Humidity</b>	80 % r.h. max.
<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 min. / +30 °C max.			
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® MultiDur EB-14 Rapid, 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).			
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-151 base layer on Sikafloor®-151 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®-18 Pronto on Sikafloor®-151 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®-18 Pronto on Sikafloor®-18 Pronto allow:			
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+10 °C	~ 50 minutes	n/a	
	+20 °C	~ 40 minutes	n/a	
	+30 °C	~ 30 minutes	n/a	
<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

## 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

## MAINTENANCE

### CLEANING

Please refer to the Information Manual Sikafloor®-Cleaning Regime

### FURTHER DOCUMENTS

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

## LIMITATIONS

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

Freshly applied Sikafloor® MultiDur EB-14 Rapid must be protected from damp, condensation and water for at least 1 hours after the application of the Sikafloor®-18 Pronto.

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking. Systems based on reactive acrylic resins exhibit a characteristic odour during application and prior to achieving full cure, once fully cured they are taint free. All unpackaged goods should be removed from the area

of the works during application. Do not apply in the presence of foodstuffs. Any foodstuffs, whether packaged or not, should be completely isolated from the flooring works during the application process and until the products are fully cured.

In order to ensure optimum curing during internal applications the air must be exchanged at least seven times per hour. During application and curing use a forced fresh air supply/exhausting of fumes with appropriate equipment (explosion-proof).

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.

## 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 recom-

mendations, 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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