

## SYSTEM DATA SHEET

# Sikafloor® MultiCoat AB-10

EPOXY ACRYLIC WATER BASED RESIN FLOOR SYSTEM FOR CONCRETE SUBSTRATES

### DESCRIPTION

Sikafloor® MultiCoat AB-10 is an epoxy acrylic coloured water based resin floor system based on co-elastic technology for concrete and cementitious substrates. The system provides a seamless, smooth semi-gloss finish for surfaces that are suitable for sports flooring, demarcation areas and light wheeled traffic exposure. Varying thickness's can be achieved from 2,0–3,0 mm. Internal and external use.

### USES

Sikafloor® MultiCoat AB-10 may only be used by experienced professionals.

- Multi-purpose sports flooring surface
- Coating for bicycle and pedestrian lanes in parks and recreational areas
- Coating for pedestrian areas, sidewalks, house accesses, etc.

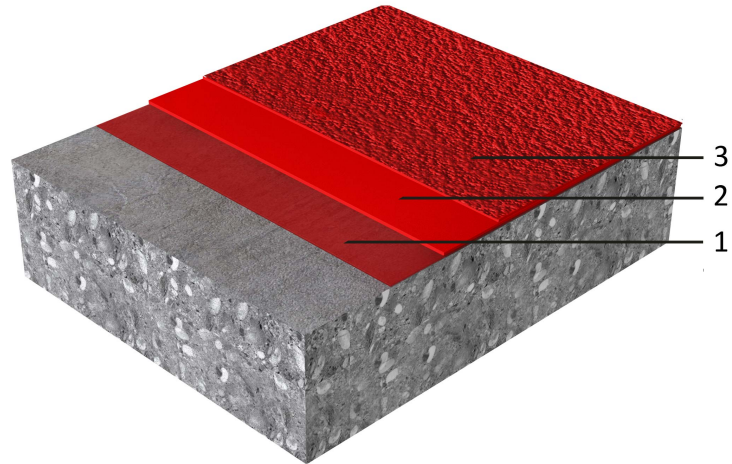
### CHARACTERISTICS / ADVANTAGES

- Easy application
- Good UV Resistance
- Good aesthetic finish
- Resistant to light wheeled traffic
- Good flexibility
- Available in many colours
- Resistant to occasional hydrocarbon spillages
- Can be filled with quartz sand to varying thickness's and cost savings

# SYSTEM INFORMATION

System Structure

Sikafloor® MultiCoat AB-10 (~2–3 mm)



Layer	Product
1. Primer	Sikafloor®-154 W
2. Wearing coat	Sikafloor®-2100
3. Top coat	Sikafloor®-2100

Composition	Water-based epoxy acrylic resin
Appearance	Smooth semi-gloss finish
Colour	Available colours: grey (~RAL 7015), white, black, yellow (~RAL 1003), sand, oxide red (~RAL 3011), signal red (~RAL 3020), moss green (~RAL 6020), light green (~RAL 6021), mint green (~RAL 6018), cobalt blue (~RAL 5013), light blue (~RAL 5015), navy blue (~RAL 5010), platinum grey (~RAL 7036), cement grey (~RAL 7032), dark grey (~RAL 7015), beige (~RAL 1001), brown (~RAL 8002), ivory (~RAL 1015). For better opacity of the colours signal red, mint green and yellow, apply another layer of the top coat.
Nominal Thickness	~2–3mm

## TECHNICAL INFORMATION

Shore D Hardness	~64	
Abrasion Resistance	110 mg (Taber abrasion test)	
Tensile Strength	~2.7 MPa	(EN ISO 527-1/2)
Tensile Adhesion Strength	≥ 1.5 MPa	(EN 1542)
Elongation at Break	~40 %	
Reaction to Fire	Bfl-S1	(EN 13501-1)
Permeability to Water Vapour	~0.005 kg/m <sup>2</sup> h <sup>0.5</sup>	(EN 1062-3)

## APPLICATION INFORMATION

Consumption	Sikafloor® MultiCoat AB-10 (~2–3 mm)
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Coating System	Product	Consumption
Primer	1 × Sikafloor®-154 W	~0.3–0.6 kg/m <sup>2</sup>
Wearing coat	1 × Sikafloor®-2100 filled 1:1 with quartz sand (0.1–0.3 mm)	~0.8 kg/m <sup>2</sup> /layer
Top coat	1–2 coats × Sikafloor®-2100	~0.3–0.4 kg/m <sup>2</sup>

<b>Product Temperature</b>	Refer to individual Product Data Sheets																										
<b>Ambient Air Temperature</b>	+10 °C min. / +30 °C max.																										
<b>Relative Air Humidity</b>	80 % maximum (also refer to limitations in Sikafloor®-2100 Product Data Sheet)																										
<b>Dew Point</b>	Beware of condensation The substrate and uncured applied floor material 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>	≤ 4 % parts by weight. 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®-2100 on Sikafloor®-154 W allow: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>12 hours</td> <td>72 hours</td> </tr> <tr> <td>+20 °C</td> <td>6 hours</td> <td>48 hours</td> </tr> <tr> <td>+30 °C</td> <td>4 hours</td> <td>24 hours</td> </tr> </tbody> </table> Before applying Sikafloor®-2100 on Sikafloor®-2100 allow: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10 °C</td> <td>10 hours</td> <td>6 days</td> </tr> <tr> <td>+20 °C</td> <td>5 hours</td> <td>3 days</td> </tr> <tr> <td>+30 °C</td> <td>3 hours</td> <td>1.5 days</td> </tr> </tbody> </table>			Substrate temperature	Minimum	Maximum	+10 °C	12 hours	72 hours	+20 °C	6 hours	48 hours	+30 °C	4 hours	24 hours	Substrate temperature	Minimum	Maximum	+10 °C	10 hours	6 days	+20 °C	5 hours	3 days	+30 °C	3 hours	1.5 days
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## PRODUCT INFORMATION

<b>Packaging</b>	Refer to the individual Product Data Sheets
<b>Shelf Life</b>	Refer to the individual Product Data Sheets
<b>Storage Conditions</b>	Refer to the individual Product Data Sheets

## FURTHER INFORMATION

- Sika® Method Statement - 'Evaluation and Preparation of Surfaces for Flooring systems'

## IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor®-2100 must be protected from damp, condensation and water for at least 24

hours.

- The wrong treatment of the cracks at the substrate could reduce the service life and the cracks to be reflected on the surface.
- For exact colour matching, ensure the Sikafloor®-2100 in each area is applied from the same control batch numbers.
- The material should be extended in thin layers over the substrate. An excessive consumption of material could lead to delay in hardening time.
- If a thicker thickness is required, apply several coats.

## 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.

## 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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### SYSTEM DATA SHEET

Sikafloor® MultiCoat AB-10

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