

SYSTEM DATA SHEET

Sikafloor® AGG TOP

BROADCAST UNICOLOUR FLOOR COVERING WITH HIGH MECHANICAL RESISTANCE

DESCRIPTION

Sikafloor® AGG TOP is a slip resistance, coloured epoxy covering with high mechanical resistance for flooring applications.

USES

Sikafloor® AGG TOP may only be used by experienced professionals.

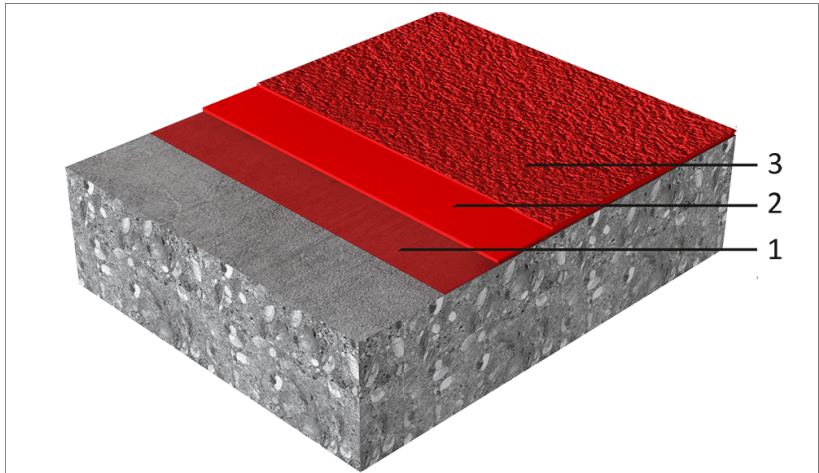
- for concrete and cement screed with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps.
- for multi-storey and underground car parks

CHARACTERISTICS / ADVANTAGES

- High wear resistance
- High mechanical resistance
- Easy application
- Slip resistant

SYSTEM INFORMATION

System Structure



Sikafloor® AGG TOP System

1. Primer	Sikafloor®-Carpark (A+B)
2. Basecoat	Sikafloor®-Carpark(A+B+C) + Quartz sand
3. Broadcast	Sikafloor®-600 Aggregate Metallic

Composition	Epoxy
Appearance	Slip resistant
Nominal thickness	4 - 5 mm

TECHNICAL INFORMATION

Chemical Resistance	Refer to the chemical resistance of Sikafloor®-Carpark	
Thermal Resistance	Exposure*	Dry heat
	Permanent	+50 °C
	Short-term max. 7 d	+80°C
	Short-term max. 12 h	+100 °C
Short-term moist/wet heat* up to +80 °C where exposure us only occasional (i.e. during steam cleaning etc.)		
*No simultaneous chemical and mechanical exposure.		

APPLICATION INFORMATION

Consumption	Primer	1 pbw Sikafloor®-Carpark (A+B)	~0.5-0.7 kg/m ²
	Basecoat	1 pbw Sikafloor®-Carpark (A+B+C)	~2-2.5 kg/m ²
		0.65 pbw quartz sand	~1.3-1.7 kg/m ²
	Broadcast	1 pbw Sikafloor®-600 Aggregate Metallic	~7-9 kg/m ²

These figure are theoretical and do not allow for any additional material due to surface porosity, surface profile, variation in level and wastage etc.

Product Temperature	+10 °C min / +30 °C max
Ambient Air Temperature	+10 °C min. / +30 °C max.
Relative Air Humidity	80% r.h. max.
Dew Point	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.

Substrate Temperature	+10 °C min. / +30 °C max.			
Substrate Moisture Content	When performing application work with Sikafloor® AGG TOP, the substrate moisture content should be below 4 % pbw measured by Tramex. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).			
Waiting Time / Overcoating	After apply primer Sikafloor®-Carpark allow:			
		<u>Minimum</u>	<u>Maximum</u>	
	10 °C	24 hrs	4 days	
	20 °C	12 hrs	2 days	
30 °C	8 hrs	24 hrs		
Applied Product Ready for Use	Temperature	Foot Traffic	Light Traffic	Full Cure
	+10 °C	~24 hours	~6 days	~10 days
	+20 °C	~12 hours	~4 days	~7 days
	+30 °C	~8 hours	~2 days	~5 days

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.

LIMITATIONS

Construction joints require pre-treatment. Treat as follows:

- Static Cracks: prefill and level with SikaDur® or Sikafloor® epoxy resin
- Dynamic Cracks: to be assessed and if necessary apply a stripe coat of elastomeric material or design as a movement joint

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

- Sikafloor®-Carpark must be thoroughly mixed using a low speed electric stirrer (300–400 rpm) or other suitable equipment.
- For the preparation of mortars use a forced action mixer of rotating pan, paddle or trough type. Free fall mixers should not be used.

SUBSTRATE QUALITY

- Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- 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.

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.
- 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 must 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.
- High spots must be removed by e.g. 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

- Prior to mixing, stir part A mechanically. When all of part C (Color Paste) has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved.
- When parts A and C have been mixed, add Part B and mix for a further 2 minutes until a uniform mix has been achieved.
- To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix.
- Over mixing must be avoided to minimise air entrainment.

APPLICATION

- Prior to application, confirm substrate moisture content, r.h. and dew point.
- If > 4% pbw moisture content, Sikafloor® EpoCem® may be applied as a T.M.B. (temporary moisture barrier) system
- Primer:
Pour the material on the concrete substrate, and use

- trowel or short-piled roller to spread the material,
- Base coat:
Pour the Sikafloor®-Carpark mixture onto the cured primer. Spread evenly by a serrated trowel. Roll the mixture immediately in two directions with a spiked roller to ensure even thickness and no entrapped air. The coverage is 3-4 kg/m².
 - Broadcast:
While the Sikafloor®-Carpark mixture is still wet, broadcast Sikafloor®-600 Aggregate Metallic to the resin in excess. The consumption is approximately 7-9 kg/m² in order to achieve the desired thickness & roughness. Ensure full coverage of Sikafloor®-600 Aggregate Metallic and no bald patches of resin remain.
 - Let the materials cure. Once the material is fully cured, remove excess aggregate by brush or vacuum.

CLEANING OF TOOLS

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

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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