

## PRODUCT DATA SHEET

# Sikafloor®-1205 N

(formerly Sikafloor®-1205)

Three component, total solids, high build epoxy floor coating

### DESCRIPTION

Sikafloor®-1205 N is a pigmented, total solids, high build epoxy floor coating designed to offer seamless and durable floor protection. With the addition of Sikafloor® or Sikadur® Aggregates between coats, slip resistant finish can be achieved. Suitable for use in hot and tropical climatic conditions.

### USES

Sikafloor®-1205 N may only be used by experienced professionals. Sikafloor®-1205 N is suitable for use in a wide variety of industrial and commercial applications. It can be used to provide a surface coating with a high gloss hygienic finish or a slip resistant coating system. Sikafloor®-1205 N provides impermeable protection to concrete substrate against common oils, greases, lubricants, aviation fuels and hydraulic oils.

Sikafloor®-1205 N can be used, but it is not limited, to the following areas of application:

- Car parks
- Car production and showroom facilities
- Maintenance areas
- Warehouses with high density traffic
- Vehicle movement areas

### FEATURES

- Good wear and abrasion resistance
- Good chemical resistance
- Smooth high gloss finish for hygienic applications
- Slip resistant finish in trafficable applications
- Easy application by brush, roller or squeegee

### PRODUCT INFORMATION

<b>Composition</b>	Epoxy resin		
<b>Packaging</b>	Part A	Neutral resin	26.65 kg
	Part B	Hardener	3.75 kg
	Sikafloor® Col Pack	Colour pack	1.6 kg
	Part A + Part B +	Set	32 kg (~20 L)
	Sikafloor® Col Pack		
<b>Colour</b>	Available in a range of standard RAL colour shades. Contact your local Sika representative for the colour chart.		
<b>Shelf life</b>	12 months from date of production		
<b>Storage conditions</b>	Store in a dry area in original sealed packaging at temperatures between +10 °C and +30 °C. Protect from direct sunlight, heat and moisture.		
<b>Density</b>	~1.6 kg/l (mixed, at +25 °C)		

Solid content by mass	~100 %	(ASTM D2939)
Solid content by volume	~100 %	

## TECHNICAL INFORMATION

Shore D Hardness	~80 (7d, 23 °C, 50 % r.h.)	(ASTM D2240)
Compressive strength	~80 N/mm <sup>2</sup> (7d, 23 °C, 50 % r.h.)	(ASTM C579)
Flexural-strength	~40 N/mm <sup>2</sup> (7d, 23 °C, 50 % r.h.)	(ASTM C580)
Tensile strength	~20 N/mm <sup>2</sup> (7d, 23 °C, 50 % r.h.)	(ASTM C307)
Tensile adhesion strength	≥ 1.5 N/mm <sup>2</sup> (or concrete failure)	(ASTM D4541)
Reaction to fire	B <sub>fi</sub> – s1	(EN 13501-1)
Chemical resistance	Resistant to many chemicals, when fully cured. Please contact Sika's Technical Department for chemical resistance report. Sikafloor®-1205 N provides impermeable protection against common oils, greases, lubricants, aviation fuels and hydraulic oils such as Skydrol. As in all corrosive situations, a full analysis of operating and exposure conditions is required, followed by reference to chemical resistance data, to ensure product suitability.	
Service temperature	Dry heat permanent exposure up to +60 °C. No simultaneous chemical and mechanical exposure.	

## APPLICATION INFORMATION

Consumption	<b>Smooth Finish</b>	<b>Slip Resistant Finish</b>	
	0.20–0.25 L/m <sup>2</sup> /coat, min. 2 coats	0.25–0.30 L/m <sup>2</sup> /coat, min 2 coats + aggregates*	
*Sikafloor® SR quartz sand aggregate range, approx. 1.0 kg/m <sup>2</sup> . These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage, etc.			
Ambient air temperature	+10 °C min. / +35 °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. Note: Low temperatures and high humidity conditions increase the probability of blooming.		
Substrate moisture content	< 5 % pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet). pbw = parts by weight		
Pot Life	~35 min (+25 °C)		
Curing time	Initial Cure	24 hours	
	Final Cure	7 days	
Note: Curing times are approximate and will be affected by changing ambient conditions.			
Waiting time to overcoating	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>
	+20 °C	24 h	2 d
	+30 °C	16 h	1 d
Times are approximate and will be affected by changes in ambient conditions, particularly temperature and relative humidity.			

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## FURTHER DOCUMENTATION

- **General Method Statement**
- **Substrate quality & Preparation:** Please refer to Sika Method Statement: "EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS".
- **Application instructions:** Please refer to Sika Method Statement: "MIXING & APPLICATION OF FLOORING SYSTEMS".
- When required, Sikafloor®-1205 N can be overcoated with UV resistant top coat, if exposed to UV light. Please contact your local Sika representative for more information.

## IMPORTANT CONSIDERATIONS

- Sikafloor®-1205 N may be applied as a self-priming flooring system on sound, dense, and mechanically strong concrete substrates. A separate primer is generally not required, except on highly porous or excessively absorbent substrates.
- Do not apply Sikafloor®-1205 N on substrates with rising moisture.
- In case of rising substrate moisture, use EpoCem® range of products. Contact Sika Technical Department for recommendation.
- Freshly applied Sikafloor®-1205 N 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®-1205 N in each area is applied from the same control batch numbers.
- Do not expose the Product to chemical or mechanical strain at elevated temperatures.
- Existing substrate movement and expansion joints shall be maintained and continued through the Sikafloor®-1205 N coating system.
- Exposure to UV radiation (direct sunlight) may result in colour variation or discolouration. This is an aesthetic effect only and does not affect the functional or protective performance of the coating system.

## 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.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using light grit blasting, captive blasting or surface grinding to remove cement laitance and to achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface irregularities must be carried out using appropriate products from the Sikafloor® or Sikadur® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

### MIXING

Prior to mixing, stir Part A mechanically. Add full content of Part B to Part A and mix continuously for 2 minutes until a uniform mix has been achieved. When parts A and B have been mixed, add Sikafloor® Col Pack and mix for further 2 minutes, until a uniform mix has been achieved.

To ensure thorough mixing, pour materials into another container and mix again. Avoid overmixing.

### APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point. If > 5 % pbw moisture content, Sikafloor® EpoCem® product range may be applied as a T.M.B. (temporary moisture barrier) system.

#### Primer:

Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. Apply by brush, roller or squeegee. Preferred application is by using a squeegee and then backrolling cross-wise.

Contact Sika Technical Department for primer recommendation.

#### Levelling:

Rough or unlevelled surfaces need to be levelled first. Use Sikafloor® epoxy based range of products (Thin section epoxy build-up repairs for concrete substrates Method Statement). Sikafloor® BC range can be used as epoxy based underlayments. Contact Sika Technical Department for underlayment recommendation.

### Coating:

Sikafloor®-1205 N as coating, can be applied by short-piled roller (crosswise). Re-apply second coat by squeegee and then back-roll (crosswise).

### For slip resistant finish:

Apply the base coat first. This coat can then be scattered with Sikafloor® SR or Sikadur® aggregate, by completely blinding at approximately 0.6–1.0 kg/m<sup>2</sup>. Apply aggregate to wet base coat. After initial cure (~12 hours at 40 °C) the excess aggregate should be removed by brushing or vacuuming. Alternative textures can be obtained by varying the amount of aggregate.

### Seal coat:

Sealer coats can be applied by squeegee and then back-rolled (crosswise) with a short-piled roller. Depending on the surface profile, type and density when applied over aggregate, the top coat may consume more material than the base coat to achieve a fully sealed surface.

### CLEANING OF EQUIPMENT

Remove uncured Sikafloor®-1205 N from tools and equipment using a suitable thinner (Xylene / MEK / Acetone). If Sikafloor®-1205 N has cured, then it can only be removed by mechanical means.

## 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 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.

#### Sika Gulf B.S.C. (c)

Tel: +973 177 38188  
Email: info@bh.sika.com  
Sika Kuwait Cons. Mat. & Paints Co WLL  
Tel: +965 22 282 296  
Email: sika.kuwait@kw.sika.com  
Web: gcc.sika.com

#### Sika UAE LLC

Sika UAE LLC (Branch)  
Sika International Chemicals LLC  
Tel: +971 4 439 8200  
Email: info@ae.sika.com  
Web: gcc.sika.com

#### Sika Saudi Arabia Limited

Riyadh / Jeddah / Dammam / Rabigh  
Tel: +966 9200 22167  
Email: info@sa.sika.com  
Web: gcc.sika.com

#### Sika MB LLC

Oman  
Tel: +968 22 826 500  
Email: info@om.sika.com  
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS:  
- Sika UAE LLC  
- Sika International Chemicals LLC  
- Sika Gulf B.S.C. (c)  
ISO 9001, 14001 – SGS:  
- Sika Saudi Arabia Limited  
ISO 9001, 14001 – TÜV:  
- Sika UAE LLC (Branch)  
ISO 9001 – SGS:  
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



#### Product Data Sheet

Sikafloor®-1205 N  
July 2026, Version 01.01  
020811020020246573