

SYSTEM DATA SHEET

Sikafloor® PurCem® HS-21 Gloss

Gloss and smooth finish, polyurethane cement hybrid flooring system

SYSTEM DESCRIPTION

Sikafloor® PurCem® HS-21 Gloss is an industrial and commercial flooring system based on polyurethane cement hybrid technology and is part of the Sikafloor® PurCem® Gloss system range.

The system is composed of a scratch primer coat layer and an extremely durable, gloss, scratch resistant and seamless polyurethane hybrid wearing course.

It withstands chemical attack, abrasion and impacts. Due to its gloss, scratch resistant and impervious surface the flooring is easy to clean, maintain and hygienic.

USES

- Food and beverage industry
- Processing and chemical industry
- Parking decks
- Workshops
- Hangars
- Storages
- Basements
- Laboratories
- Back of house areas

CHARACTERISTICS / ADVANTAGES

- Glossy and high scratch resistant surface
- Good chemical resistance
- High mechanical resistance

- Low dirt pick up
- Easy to clean and maintain
- VOC free and environmental friendly
- Non tainting, odourless during application
- Can be applied to substrates with high moisture content
- Seamless
- Durable and very good life cycle cost performance

APPROVALS / STANDARDS

- Conforms AgBB (2012) for use in indoor environment. Test report No. 392-2014-00295701E. Eurofins Product Testing.
- Food Industry Approval. Certificate of Compliance to be used safely as a floor coating in food sector. Short term contact of the coating with the foodstuff is safe as far as any hygienic regulations are not violated. Report No. 38653U14. ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH.
- Taint potential. Report No. S/REP/134217/1 Campden BRI (Chipping Campden) Ltd.
- Cleanability. Clean Room Suitable Material (Riboflavin test) test report SI 1501-752, Sikafloor® -210 PurCem®. Fraunhofer Institute for Manufacturing and Engineering and Automation IPA.
- Biological resistance. Clean Room Suitable Material Test report SI 1412-740, Sikafloor® -210 PurCem®. Fraunhofer Institute for Manufacturing and Engineering and Automation IPA.

- Fire classification report according to EN 13501-1:2007 + A1:2010. Test report No. 15/9284-340 Parte 1. Applus LGAI.

COLOURS

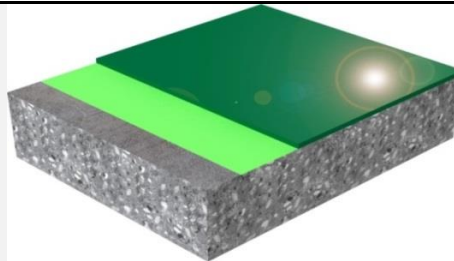
Beige, Dusty Grey, Grass Green, Maize Yellow, Night Blue, Oxide Red, Pebble Grey, Tele Grey 2

SYSTEM PROPERTIES

Bond Strength	>2.0	N/mm ²	(EN 1542)						
Wear Resistance	AR0		(EN 13892-4)						
Slip resistance	SRV 55 Dry	SRV 44 Wet (Pendulum Test)	(EN 13036-4:2011-12)						
Reaction to Fire	B _{fl} s1		(EN 13501-1)						
System Thickness	3 – 6 mm								
Chemical Resistance	Refer to Sikafloor® PurCem® Gloss chemical resistance guide. For detailed information contact Sika technical service								
Temperature Resistance	<table border="1"> <tr> <td></td> <td>3 mm</td> <td>6 mm</td> </tr> <tr> <td>*Service temperature</td> <td>-10°C to +60°C</td> <td>-15°C to +70°C</td> </tr> </table> <p>*Full service resistance to liquid spillages and discharge. Minimum temperatures in freezers. Short term dry heat up to + 180 °C.</p>				3 mm	6 mm	*Service temperature	-10°C to +60°C	-15°C to +70°C
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APPLICATION INFORMATION

System Structure



Sikafloor® PurCem® HS-21 Gloss

Standard

	Product	Consumption
Scratch coat	Sikafloor®-21/-24/-210/-260 PurCem®	1-3 kg/m ²
Wear coat	Sikafloor®-210 PurCem®	1.9 kg/m ² /mm

Alternative

	Product	Consumption
Primer and Scratch coat	Sikafloor®-155 W/-156/-161 + Quarzsand 0.4 – 0.8 mm fully blinded broadcast + Sikafloor® -210 PurCem®	See PDS 0.8 – 1 kg/m ²
Wear coat	Sikafloor®-210 PurCem®	1.9 kg/m ² /mm

Consumptions are theoretical and do not include any wastage or additional material needed due to porosity, substrate profile etc.

Waiting Time / Overcoating

Before applying Sikafloor® PurCem® products:

Substrate temperature	Minimum	Maximum
+10°C	36 hours	72 hours
+20°C	14 hours	48 hours
+30°C	12 hours	24 hours
+35°C	12 hours	24 hours

If used other primers than Scratch coat refer the Technical Data Sheet of the respective product. Make sure that the primer and the scratch coat layer is fully hardened and tack free before application of Sikafloor® -210 PurCem®.

Ready for Use

Sikafloor® -210 PurCem®

Substrate temperature	Foot traffic	Light traffic	Full cure
+10°C	40 hours	48 hours	7 days
+20°C	22 hours	26 hours	3 days
+30°C	18 hours	22 hours	2 days
+35°C	16 hours	20 hours	2 days

Times are approximate and will be affected by changing ambient and substrate conditions.

APPLICATION INSTRUCTIONS

Refer Sikafloor® PurCem® Gloss Information Manual
 Refer Sika® Information Manual Mixing and Application of Flooring Systems
 Refer Sika® Information Manual Surface Evaluation & Preparation
 Refer Sikafloor® PurCem® Product Datasheets

CLEANING AND MAINTENANCE

Refer Information Manual Sikafloor® Cleaning Regime

VALUE BASE

All technical data stated in this System 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.

HEALTH AND SAFETY INFORMATION

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 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. 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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