Construction

Sikafloor®-310 PurCem®

Glossy, polyurethane hybrid flooring topcoat

Product Description

Sikafloor®-310 PurCem® is a multi-component, water-based, coloured polyurethane hybrid topcoat with glossy finish.

Uses

Sikafloor®-310 PurCem® is used as a top and wear coat layer, Sikafloor® PurCem® Gloss anti-slip system build-ups and coating on horizontal surfaces (covings).

Characteristics

- Good chemical resistance
- Gloss and scratch resistance surface
- High mechanical resistance
- High glass transition point
- Non tainting / odourless
- VOC free and environmental friendly
- Moisture tolerant

Environmental Information

Certificates	Complies with requirements of DIBt (2010) and AgBB for use in indoor environment. Test report No. 392-2014-0018201A_2. Eurofin Product Testing.

Certificates and Approvals

Polyurethane modified cementitious hybrid screed according to requirements of EN 13813:2002, DoP 60258591, provided with the CE mark.
Taint potential. Report No. S/REP/134217/3 Campden BRI (Chipping Campden) Ltd

Product Information

Chemical Base	Water-based polyurethane cement hybrid	
Packaging	Parts A + B + C:	1.85 + 1.85 + 2.1 = 5.8 kg
	Part A:	1.85 kg plastic pail
	Part B:	1.85 kg plastic canister
	Part C:	2.1 plastic pail
Shelf Life	Part A:	9 months from the date of production. Protect from freezing.
	Part B:	9 months from the date of production. Protect from freezing.
	Part C:	6 months from the date of production. Protect against humidity.
Storage conditions	Original, unopened and undamaged sealed packaging, in dry conditions at temperature between +5 °C and +35 °C.	
Appearance / Colour	Part A:	Pigmented liquid
	Part B:	Brown liquid
	Part C:	Natural light grey powder
	Standard colours: Beige, Dusty Grey, Grass Green, Maize Yellow, Night Blue, Oxide Red, Pebble Grey, Tele Grey 2	
Density	Mix A + B + C (+D):	1.35 kg/l ± 0.03 (at +20 °C) (EN ISO 2811-1)

Technical Information

Compressive Strength	> 50 N/mm^2	(DIN EN 13892-2)
Flexural Strength	> 15 N/mm^2	(DIN EN 13892-2)
D-Shore Hardness	> 80	(DIN 503505)
Bond Strength	concrete failure (in combination with Sikafloor®-210 PurCem®) (minimum pull off strength of the concrete substrate 1.5 N/mm^2)	(EN1542)

System Information

Systems **(see System Data Sheets)**	Sikafloor® PurCem® HB-21 Gloss Sikafloor® PurCem® HB-22 Gloss Sikafloor® PurCem® HB-23 Gloss Sikafloor® PurCem® HB-26 Gloss As s topcoat on Sikafloor® -29 PurCem®

Application Information

Mixing Ratio	Part A : B : C = 1 : 1 : 1.15 (packaging size = 1.85 : 1.85 : 2.1) by weight **Mix full units only.** (Component D mixed with A).
Consumption	0.3 – 1 kg/m2 (depends on system)
Working Time	

Temperature	Time
+10 °C	~ 15 - 20 min
+20 °C	~ 10 - 15 min
+30 °C	~ 5 -10 min
+35 °C	~ 5 -10 min

Substrate Temperature	+10 °C min / +35 °C max
Air Temperature	+10 °C min / +35 °C max
Relative Humidity	80 % max
Dew Point	Beware of condensation! Substrate and uncured floor must be min 3 °C above dew point to reduce the risk of condensation or blooming of the floor finish.
Substrate Conditions and Moisture Content	Can be installed on substrates with higher moisture content. No ponding water. Check rising moisture. The substrate needs to be visibly dry and have adequate pull-off strength min 1.5 N/mm^2.
Waiting Time Between Layers	

Substrate temperature	Minimum	Maximum
+10 °C	16 hours	72 hours
+20 °C	8 hours	48 hours
+30 °C	4 hours	24 hours
+35 °C	4 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® -310 PurCem®.

Further Information

Application	Sikafloor® PurCem® Gloss Information Manual Sika® Information Manual Mixing and Application of Flooring Systems Sika® Information Manual Surface Evaluation & Preparation Sikafloor® PurCem® Gloss System Data Sheets
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.
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 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. 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.
EU Regulation 2004/42 **VOC - Decopaint Directive**	According to the EU-Directive 2004/42, the maximum allowed content of VOC Product category IIA / **j** type **wb**) is140 g/l (Limit 2010), for the ready to use product. **Sikafloor®-310 PurCem**, is VOC free for the ready to use product.

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