

Sikafloor-31 PurCem

Solvent Free Polyurethane Coating

Construction

Description	Sikafloor-31 PurCem is a solvent free high-build polyurethane coating designed to provide excellent resistance to abrasion, chemical attack and other physical aggression.	
Uses	Sikafloor-31 PurCem is ideally suited to areas requiring good wear and chemical resistance, example: <ul style="list-style-type: none"> ▪ Chemical storage. ▪ Containment areas. ▪ As a chemically resistant concrete coating. ▪ Food preparation / wet areas. ▪ Brewing/dairy (clean areas). ▪ Toilets. 	
Advantages	<ul style="list-style-type: none"> ▪ Excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. ▪ Durable and resistant to abrasion and impact. ▪ Resistant to elevated temperatures even under thermal shock conditions, for example steam cleaning. ▪ Easy to apply and fast curing. ▪ Moisture tolerance. ▪ May be applied on concrete and steel. 	
Storage and Shelf Life	Approximately six (6) months from date of manufacture when stored in its unopened original containers in a cool, dry place.	
Instructions for Use		
Substrate Requirements	<ul style="list-style-type: none"> ▪ The substrate must be of sufficient strength (minimum compressive strength 25 N/mm²). ▪ The substrate pull-off strength should be below 1.5 N/mm². ▪ The concrete surface shall be prepared by mechanical abrasion. ▪ Steel surfaces shall be prepared by mechanical abrasion. ▪ The surface must be even, fine gripping, solid dry and free from loose friable particles and all other contamination (example oil). ▪ All dust must be completely removed by brush and vacuum. 	
Mixing	Sikafloor-31 PurCem is a 3-component product. The full contents of the hardener (component B) are to be added to the full contents of the resin (component A) and mixed with a low speed stirrer (less than 500 rpm) for 1 minute. Gradually add the aggregate (component C) and mix for a further 2 minutes until a lump free consistency is achieved.	
Application Conditions	<ul style="list-style-type: none"> ▪ Relative humidity ▪ Substrate temperature ▪ Concrete moisture content 	85% maximum 5°C to 35°C 4% maximum
Application Method	Immediately after mixing, pour the material onto the floor and spread with a rubber blade trowel, pushing the resin well into the surface. Back-roll lightly with a short mohair roller to give the required thickness.	
Cleaning	Use Thinner C for non-hardened material on equipment. Hardened material may have to be mechanically removed.	

Technical and Physical Data

Colours / Finish Mid-grey, green, red and yellow. A smooth matt surface finish.

Application Thickness 0.2 – 0.25mm (2 to 3 coat application)

Coverage Rate

Sikafloor-31 PurCem	0.25mm dry film thickness
*Coverage (kg/m ²)	- 0.33 (2 coats) - 0.43 (3 coats)

Cure Schedule

Pot life	15 minutes
Initial film gel time (joining up)	60 minutes
Cure time to light traffic	24 hours
Minimum over coating time	16 hours
Full cure	3 - 5 days

Packaging 4.2 kg kit.

Important Notes

- Freshly applied Sikafloor-31 PurCem should be protected from damp, condensation and water for at least 24 hours
- Some loss of colour may be noted when exposed to UV light.
- Thinner C is flammable. No naked flames.

Handling Precautions

- Avoid skin and eye contact.
- Wear protective goggles, impervious gloves and protective clothing.
- Use of barrier cream is recommended.
- Use in well ventilated areas.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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Sikafloor®-31 PurCem
Page 2 of 2