

PRODUCT DATA SHEET

Sikafloor®-410

1-PART PUR ELASTIC MATT SEAL COAT



DESCRIPTION

Sikafloor®-410 is a one part, elastic, solvent containing, UV resistant, moisture curing polyurethane resin based matt seal coat.

USES

Sikafloor®-410 may only be used by experienced professionals.

- Seal coat for Sikafloor®-400 N Elastic and Sikafloor®-400 N Elastic+
- Only for exterior application

CHARACTERISTICS / ADVANTAGES

- Top coat with good elasticity
- Good UV and yellowing resistance
- Good abrasion resistance in normal use
- Slip resistant surfaces are possible
- Easy application

APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 0208050100400000011008, certified by notified factory production control certification body 0921, and provided with the CE marking.
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 0208050100400000011008, certified by notified factory production control certification body 0921, and provided with the CE marking.
- Slip resistance testing according DIN 51130, MPI Material Test institute Hellberg, Germany, report 12 5082-S/09

PRODUCT INFORMATION

Chemical base	PUR	
Packaging	3 litres and 10 litres units	
Appearance / Colour	Transparent liquid	
Shelf life	9 months from date of production	
Storage conditions	The product must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C.	
Density	1.0 kg/l Density value at +23°C.	(EN ISO 2811-1)
Solid content by weight	~ 45 %	(EN ISO 3251)
Solid content by volume	~ 50 %	(EN ISO 3251)

TECHNICAL INFORMATION

Tensile Strength	~ 27 N/mm	(EN ISO 527-1/EN ISO 527-3)
Elongation at Break	~ 300 % (14 days / +23 °C)	(EN ISO 527-1/EN ISO 527-3)
Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.	

SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of: Sikafloor® MonoFlex MB-24 Smooth, flaked, 1 part polyurethane, crack bridging floor finish	
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APPLICATION INFORMATION

Consumption	~ 0.15–0.5 kg/m ² /layer depending on the application. Please refer to the respective System Data Sheet.			
Ambient Air Temperature	+10 °C min. / +30 °C max.			
Relative Air Humidity	80 % r.h. max. 35 % r.h. min. (below +20 °C: 45 % min.)			
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above the dew point to reduce the risk of condensation or blooming on the floor finish.			
Substrate Temperature	+10 °C min. / +30 °C max.			
Pot Life	The material in opened containers should be applied immediately. With open containers surface film formation will occur within 1 - 2 hours. High temperatures and high air humidity will accelerate curing significantly.			
Applied Product Ready for Use	Temperature	Rain Resistant	Foot Traffic	Full Cure
	+10 °C	~15 hours	~24 hours	~7 days
	+20 °C	~5 hours	~8 hours	~5 days
	+30 °C	~3 hours	~5 hours	~4 days

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

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum. Pull of strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

MIXING

Sikafloor®-410 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. As a first and second coat the product can be applied by medium pile nylon roller. A seamless finish can be achieved if a 'wet' edge is maintained during application.

CLEANING OF TOOLS

Removal of fresh remnants from tools and application equipment can be carried out using Thinner C immediately after use. Hardened / cured material can only be mechanically removed.

FURTHER DOCUMENTS

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".

Maintenance

Please refer to "Sikafloor®- CLEANING REGIME".

LIMITATIONS

- Do not use for interior applications.
- Freshly applied Sikafloor®-410 must be protected from damp, condensation and water for at least 24 hours (+20 °C).
- Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealer coats. Therefore substrates and adjacent areas must be cleaned thoroughly prior to application.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

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. 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.

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

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / i type sb) is 500 g/l (Limit 2010) for the ready to use product. The maximum content of Sikafloor®-410 is < 500 g/l VOC for the ready to use product.

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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.

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