

PRODUCT DATA SHEET

Sikafloor®-168 T

2-PART EPOXY PRIMER, LEVELLING MORTAR, INTERMEDIATE LAYER AND MORTAR SCREED

DESCRIPTION

Sikafloor®-168 T is a 2-component low viscosity epoxy resin.

USES

Sikafloor®-168 T may only be used by experienced professionals.

- For priming concrete substrates, cement screeds and epoxy mortars
- For low to medium absorbent substrates
- Primer for the Sikafloor flooring systems
- Binder for levelling mortars and mortar screeds

CHARACTERISTICS / ADVANTAGES

- Low viscosity
- Good penetration
- Mechanically highly resistant
- Easy application
- Short waiting times
- Multi purpose

PRODUCT INFORMATION

Packaging	Comp. A: 16 kg/pail Comp. B: 8 kg/pail
Appearance / Colour	Resin – Comp. A: transparent, liquid Hardener – Comp. B: brownish, liquid
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C.

TECHNICAL INFORMATION

Compressive Strength	> 500 kg/cm ²	(CNS 10142)
Tensile Strength in Flexure	> 350 kg/cm ²	(CNS 10142)

SYSTEM INFORMATION

Systems	Primer: Low / medium porosity concrete: 1–2 x Sikafloor®-168 T
----------------	---

APPLICATION INFORMATION

Mixing Ratio	2 pbw component A 1 pbw component B			
Consumption	Product	Consumption		
	Priming	1–2 x Sikafloor®-168 T	1–2 x 0.3–0.5 kg/m ²	
Ambient Air Temperature	+10 °C min. / +35 °C max.			
Relative Air Humidity	max. 80 %			
Dew Point	at least +3 °C above dew point			
Substrate Temperature	min. +10 °C (but at least +3 °C above dew point), max. +30 °C			
Pot Life	+25 °C, 20 minutes			
Curing Time	Sikafloor®-168 T	+10 °C	+20 °C	+30 °C
	Ready for foot traffic	24 hours	12 hours	8 hours
	Light mechanical Wear after	5 days	3 days	2 days
	Fully serviceable after	10 days	7 days	5 days

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- The concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- 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 abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, SikaDur® and SikaGard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

MIXING

- Prior to mixing, stir Comp. A mechanically. When all of Comp. B has been added to Comp. A, mix continuously for 3 minutes until a uniform mix has been achieved.
- When Comp. A and B have been mixed, add the quartz sand and if required the Extender T and mix for a further 2 minutes until a uniform mix has been achieved.

- To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.
- Sikafloor®-168 T must be thoroughly mixed using a low speed electric stirrer (300–400 rpm) or other suitable equipment.

APPLICATION

- The ready mixed material is poured down in stripes and distributed evenly by means of a trowel, Kaupp trowel or serrated trowel in the requested layer thickness.
- If applied as a selfsmoothing floor ventilate the freshly applied layer with a spike roller.

CLEANING OF TOOLS

- Clean all tools and application equipment with Thinner immediately after use.
- Hardened and/or cured material can only be removed mechanically.
- Clean all tools and application equipment with Thinner immediately after use.
- Hardened and/or cured material can only be removed mechanically.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY

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.

Sika Taiwan Ltd.

No. 1380, Sec. 3, Fu-Kwo Rd., Luchu Dist.
338009 Taoyuan City, Taiwan, R.O.C.
TEL: 03 352 8622 . FAX: 03 352 0470
sika@tw.sika.com . tw.sika.com

Sikafloor-168T-en-TW-(03-2020)-1-1.pdf

Product Data Sheet
Sikafloor®-168 T
March 2020, Version 01.01
020811020010000100

