

PRODUCT DATA SHEET

Sikafloor® E-Lining

TWO-PACK EPOXY PAINT FOR FLOOR LINING

DESCRIPTION

A two component, a solvent free, self leveling type, epoxy/modified polyamine based coating with excellent abrasion, chemical and impact resistance, adhesion. It cures to a hard, tough, smooth finish and no need to top coat.

USES

Sikafloor® E-Lining may only be used by experienced professionals.

As a heavy duty middle or top coat on concrete floors heavy wear. For example, storage and assembly halls, maintenance workshop, garages and loading ramps. Used place where high impact and chemical resistance is required. Excellent for laboratory floors, hospital, electronic, chemical plant, etc

CHARACTERISTICS / ADVANTAGES

- Excellent for laboratory floors, hospital, electronic chemical plant.
- Good chemical and mechanical resistance.
- Easy to clean.
- Economical.

PRODUCT INFORMATION

Packaging	24kg(Part A : Part B = 20kg : 4kg)
Appearance / Colour	Gloss / Green and grey. Other colours are available on request.
Shelf life	6 months
Storage conditions	Store dry between 4 - 32°C
Density	Approx. 1.5(g/cm ³) for mixture
Solid content by weight	>98%
Solid content by volume	97±2%

TECHNICAL INFORMATION

Shore D Hardness	~82	(KSMISO 868 : 2011)
Abrasion Resistance	45mg(CS-17, 500g, 500 times)	(KSMISO 9352 : 2013)
Compressive Strength	~55 N/mm ²	(KSMISO 604 : 2013)

Tensile Strength	> 14.2 N/mm ²	(KSF 3211 : 2015)
Tensile Adhesion Strength	> 2.1 N/mm ²	(KSF 4936 : 2008)
Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.	

APPLICATION INFORMATION

Mixing Ratio	Part A(Base) : Part B(Curing agent) = 5 : 1(by weight)	
Consumption	3kg/m ² in 2000 micrometer dry film thickness	
Layer Thickness	1500~3000 micrometer	
Relative Air Humidity	85 % r.h. max	
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.	
Substrate Temperature	Do not apply coating unless concrete has cured at least 28 days at 20°C and below 80% R.H or equivalent.	
Substrate Moisture Content	The surface moisture must be below 6%.	
Pot Life	Temperature	Time
	+10 °C	~ 60 minutes
	+20 °C	~ 30 minutes
	+30 °C	~ 20 minutes

APPLICATION INSTRUCTIONS

EQUIPMENT

with a rake, trowel.

MIXING

Sikafloor E-Lining Part A : Sikafloor E-Lining Part B = 5 : 1(by wt)

- Mix with supplied mixing ratio. Do not vary or sub-divide.
- Before mixing, shake or stir the Base(Part A) very thoroughly.
- Pour the curing agent(Part B) into the Base with constant mechanical stirring.
- Do not mix in reverse order.
- Continuous stirring until mixture is free of lumps.

CLEANING OF EQUIPMENT

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

FURTHER INFORMATION

Flash Point : Approx. 27 (closed cup by a method)

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

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 Korea Ltd.

135 gil 16, Nonhyun-ro
Gangnam-ku, Seoul, Korea
Tel : +82 2 6912 1500
Fax: +82 2 6912 1555
web: <http://kor.sika.com>



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