

PRODUCT DATA SHEET

Sikalastic® M 686

Two component polyurea waterproofing membrane, highly elastic, rapid curing, for manual applications

DESCRIPTION

Sikalastic® M 686 is a rapid curing two component, hand applied, slightly thixotropic, elastomeric polyurea membrane with high chemical and mechanical resistance.

USES

Sikalastic® M 686 is used in a variety of concrete water-proofing applications including containments, waste water plants, roofing, balconies etc.

FEATURES

- Monolithic – no laps, welds or seams
- Fully bonded
- Excellent mechanical properties
- High crack bridging capability
- Resistant to puncture
- Resistant to standing water
- Thermoset – do not soften at high temperature
- Remain elastic at low temperatures
- (Tg approx – 45 °C)
- Can be re-coated after a few hours

CERTIFICATES AND TEST REPORTS

- CE Marking and Declaration of Performance to EN 1504-2 - Surface protection product for concrete - Coating

PRODUCT INFORMATION

Composition	Polyurea	
Packaging	Part A	10 kg drums
	Part B	2 kg drums
Colour	Sikalastic® M 686 is available in grey.	
Shelf life	Part A: 9 months from date of production Part B: 9 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +15 °C and +25 °C. Do not expose to direct sunlight. Always refer to packaging.	
Density	Part A	1.42 g/cm ³
	Part B	1.23 g/cm ³
	Mix	1.37 g/cm ³
Product declaration	EN 1504-2: Surface protection product for concrete - Coating	

Viscosity	Part A	9000 mPas
	Part B	2000 mPas
	Mix	6300 mPas

TECHNICAL INFORMATION

Shore A hardness	~ 90	
Tensile strength	~6 N/mm ²	(DIN 53504)
Tensile strain at break	~ 200 %	(DIN 53504)

APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 100 : 20 (by weight)	
Consumption	~1.37 kg / m ² / mm	
Ambient air temperature	+5 °C min. / +35 °C max.	
Relative air humidity	< 85 %	
Substrate temperature	+5 °C min. / +35 °C max.	
Curing time	at 10°C	7 days
	at 20°C	5 days
	at 30°C	3 days
Tack free time	at 10°C	240 min
	at 20°C	150 min
	at 30°C	120 min
Waiting time to overcoating	at 10°C	min. 8 h
	at 20°C	min. 5 h
	at 30°C	min. 3 h

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.

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.

APPLICATION INSTRUCTIONS

EQUIPMENT

Reference must be made to the Sika® Method Statement: Sikalastic® M 686

SUBSTRATE QUALITY

Reference must be made to the Sika® Method Statement: Sikalastic® M 686

SUBSTRATE PREPARATION

Reference must be made to the Sika® Method Statement: Sikalastic® M 686

MIXING

Reference must be made to the Sika® Method Statement: Sikalastic® M 686

APPLICATION

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions. Prior to application, confirm substrate moisture content, relative air humidity, dew point, substrate, air and product temperatures. Reference must be made to the Sika Method Statement: Sikalastic® M 686

CLEANING OF EQUIPMENT

Clean all tools with Thinner C immediately after use. The application equipment must be cleaned and filled with Mesamoll. Hardened material can only be removed mechanically.

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.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

Sika Danmark A/S

Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk



PRODUCT DATA SHEET

Sikalastic® M 686

May 2026, Version 02.01
02070600000002016

SikalasticM686-en-DK-(05-2026)-2-1.pdf