

Product

Elastic jointing mastic based on polyurethane, monocomponent, ready to use, which cures to an elastic mastic under the influence of air humidity.

Application examples

- construction joints
- balustrades of balconies
- on concrete
- sealing joints in construction
- all around windows and doors
- metal claddings for façade and concrete elements
- jointing of wooden and metal structures

Colours (sausages 600 ml)

- white
- black
- medium grey
- concrete grey

(Colour deviations are possible and are due to chemicals, high temperature, UV radiation (mainly with the colour "white") - colour change has no influence on the technical quality and protection of the product).

Advantages/Properties

- ✓ Durable permissible deformation: 25%
- ✓ excellent adhesion on most substrates
- ✓ Blow-free curing
- ✓ no wire formation
- ✓ Quickly 'Tackfree
- ✓ high further tear resistance
- ✓ can be painted over (consult us)

Note

Sikaflex 1A+ cannot be used for glazing joints, floor joints and joints that are permanently submerged.



Technical properties

Property	Value + unit
Density (DIN 53479B)	±1,2 kg/l (depending on the colour)
Shorehardness A (DIN 53505 / EN28339-B)	±20°
Temperature resistance	-40°C to +70°C
Application temperature	+5°C to +40°C
Skin formation (DIN 50014-23/50-2)	1 to 2h
Movement capture	25 %
Flow or sagging	0 mm
Curing (DIN 50014-23/50-2)	±2 mm after 24 h
Tensile strength at 20% elongation (DIN EN 28339-B)	±0,10 N/mm ² (at +23°C)
Classification	mastic for construction F, class 25 HM /20 LM
Certificates	ATG 10/2697
Recovery capacity	>70%
Shelf life	12 months after production date
Storage	unopened packaging, in a dry area between +10°C and +25°.

SIKAFLEX 1A+

Processing recommendations

Preparation

The joint must be accurately dimensioned, as no changes are possible after construction.

The basis for calculating the required joint width depends on the technical knowledge of the user and the building materials, the visibility of the building elements, their manufacture and dimensioning.

Surface preparation

The surface must be dry, dust free and non-adherent parts or remnants of surface treatment.

Paint, cement skin or other parts must be removed. Clean joints with compressed air.

Prior impregnation

Sikaflex 1A+ is applied without primer on most dry, clean and non-greasy materials. It is advisable to carry out a test beforehand or consult our technical department.

Primers that can be used:

- Sika Primer-3: porous surfaces including concrete, cement plaster (waiting time: minimum 30 minutes - maximum 8 hours)
- Sika Cleaner 205: EP and PU coverings (waiting time: 15 minutes)
- Sika Primer-215: PVC and mortar for joints between PVC and construction (waiting time: minimum 30 minutes - maximum 8 hours)
- Sika Primer-210T: metals including aluminium, stainless steel, galvanised steel (waiting time: minimum 30 minutes - maximum 8 hours)

The primers have been used to promote adhesion. They are not suitable for cleaning the surfaces, their strengths cannot develop characteristically.

Backer rod

It is necessary to have backer rod that limits the depth of the joint in relation to the necessary dimensions and which absorbs the pressure developed during the pressing of the mastic.

Cured Sikaflex must not adhere to the joint.

Ensure that the nature of the open cell joint is compatible with Sikaflex. The cylindrical joints meet these requirements.

Processing

Protect the joint edges with an adhesive tape.

Insert the backer rod.

Apply the primer.

Check the waiting time (1h at +20°C and 65% R.H.).

The application of the waterproofing compound can be done by means of a manual gun or an air pistol, but avoid air entrapment.

Press and smooth with Smoothing Solution N°1.

Remove the adhesive tape.

Note

A slight colour change from one production to another is possible and must be accepted.

Tool cleaning

Use methanol in a ventilated room.

Safety regulations

Wash hands before installation and after completion of execution. Avoid any contact with skin and eyes. Do not swallow.

In case of splashes in the eyes, wash abundantly with clean water and consult a doctor.

Ecology

The non-polymerised mastic can pollute the water. Do not discharge into the sewers.

Dispose of in an approved centre.

Reminder

For porous and questionable materials, consult us regarding the application of any primers.

Our products must be carefully stored, applied and handled.

Storage

In the original, unopened packaging, in a dry area between +10°C and +25°C.

General information

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

Technical data of supplier: 02 2013

The producer reserves the right to make changes. 2024 06 18