



Product

One-component polyurethane sealant with very good chemical and mechanical resistance.

Application examples

- floor joints
- joints for surfaces exposed to corrosion by chemical products
- joints for waste water treatment plants
- joints for decanters
- interior and exterior joints
- joints which must withstand water pressure (e.g. tunnels) up to 3 bar without additional protection.

Colours

Concrete grey, black

Packaging

Foil packaging of 600 ml (20 per carton)

Advantages/Properties

- ✓ service capacity: 20%
- ✓ excellent elasticity
- ✓ Curing without formation of gas
- ✓ very good chemical resistance
- ✓ very good adhesion

Chemical resistance

(Tests carried out over 24 and 72 hours)

- light fuel - diesel - motor oil
- formaldehyde in solution 35 - 40%
- water solution with organic acids at 10%, except formic acid.
- non-oxidising saline solutions
- solutions containing up to 20% sodium hydroxide - ammonia - sodium hypochlorite
- water solutions from common cleaning products (soaps).

Consumption

at a temperature difference of 60°C we recommend:

Distance between joints (m)	2,0	4,0	6,0	8,0	10,0
Joint width (mm)	10	15	20	25	30
Joint depth (mm)	10	10	15	20	25

Technical properties

Property	Value + unit
Density (DIN 53479-B)	1,35 kg/l
Shorehardness A (+23°C/50% R.H.) (DIN 52455-2)	+/- 38° after 28 days
Temperature resistance	-40°C to +80°C
Application temperature	+5°C to +40°C
Skin formation (+23°C/50% R.V.)	± 60 minutes
Durable permitted deformation	25 %
Stability (DIN EN ISO 7390)	0 mm
Further tearing resistance (DIN 53 515)	±8 N/mm ²
Curing scheme (+23°C/50% R.H.)	±3,5 mm after 24 h
Elastic recovery (+23°C/50% R.H.) (DIN EN ISO 7389-B)	> 80 % after 28 days
E-modulus (+23°C/50% R.H.) (DIN EN ISO 8340)	±0,6 N/mm ² after 28 days
Elongation at break (+23°C/50% R.H.) (DIN 53 504)	> 700% after 28 days
Approvals/standards	according to EN15651-4 class 25 HM for indoor & outdoor and cold stores in accordance with ISO 11600 F 25 HM tested according to principles of DIBT for Waste Water Exposure EMICODE EC 1PLUS R, very low emissions ISEGA certificate for use in the food industry in accordance with BS 6920 (contact with drinking water) CSM TVOC tested (ISO-6.8) CSM biologically resistant: very good Resistance to diesel and aviation fuel according to DIBT guidelines
Shelf life	15 months after production date, dry and in the original packaging, at a temperature between +10°C and +25°C.

SIKAFLEX PRO-3

Processing recommendation

Contacts to avoid

Sikaflex PRO-3 is not compatible with bitumen or other substrates that may contain anthracene oil.

Preparation

The joint borders must be sound, clean and resistant. All non-adhesive parts must be removed. All traces of oil, grease or other materials that may prevent the adhesion of the mastic must also be removed.

The backer rod should be placed regularly, without interruption. It is desirable that the joint does not release any gas. For joints in the presence of water underpressure, it is desirable to provide a joint in expanded or extruded polystyrene.

The use of primers, degreasers, adhesives is recommended. Consult our technical data sheet 12.2 1 "Primers for Joint Sealants".

Processing

Protect the joint on both sides with a suitable tape. Apply Sikaflex PRO-3 by means of an adapted gun by pressing against the substrate and avoiding air entrapment. Press the mastic with a spatula at 45° in front of the joint and scrape off the excess mastic. Only smooth with smoothing solution N°1, or leave it like this.

Note

At 20°C and 65% R.H. the mechanical and chemical resistances are obtained after 14 days. Meanwhile, the material can only absorb part of the movement (approx. 10%) and cannot be painted properly. A slight colour variation from one fabrication to another is possible and has to be accepted.

Safety regulations

Sikaflex PRO-3 contains isocyanates. Wear gloves to prevent a possible allergic reaction. 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.

Reminder

Avoid extreme temperatures during execution. For painted joints or plastering improved with synthetic resins, a preliminary test is always required. Silicone based products can cause problems of adhesion and curing (preliminary tests are indispensable). When smoothing the joint, ensure that no detergent penetrates between the mastic and the joint edges. Protect the sensitive surfaces. Some smoothing agents may leave traces and must therefore be cleaned with water.

The applied sealant may not be coloured. Before painting it is necessary to carry out tests. Avoid prolonged water stagnation on the sealing joints outside (e.g. roofs).

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

In the case of submerged joints always apply Sika Primer-3 in advance.

Storage

In the original, unopened packaging at a temperature below 30°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: 01 2013

The producer reserves the right to make changes. 2020 04 01