

# Technical datasheet

## Fibo Seal - sealant

**REVISION: 10/01/2022**
**SPECIFICATIONS**

Basis	SMX hybrid-polymer
Consistency	Stabil pasta
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 20 min
Curing speed * (23°C/50% R.H.)	Ca. 3 mm/24h
Hardness**	Ca. 25 ± 5 Shore A
Density	Ca. 1,47 g/ml
Maximum allowed distortion (ISO 11600)	± 25 %
Max. tension (ISO 37)**	Ca. 1,15 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	Ca. 0,50 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	Ca. 500 %
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C

\* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

\*\* This information relates to fully cured product.

**PRODUCT DESCRIPTION**

Fibo Seal is a high quality, neutral, elastic, 1-component joint sealant based on SMX-Polymer.

- Good weather and UV resistance
- Solvent, halogen, acid and isocyanate free.
- Paintable
- Not suitable for natural stone

**PROPERTIES**

- Good adhesion on most common building materials.
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Phthalate-free
- Very low emission (EC-1 Plus label)
- Impervious to mould
- Stays elastic after curing.
- No odour
- No bubble formation within sealant in high temperature and humidity applications.
- Primerless application on many substrates (except where water pressure may occur)

**APPLICATIONS**

- Sealant in sanitary rooms. Joint sealing in kitchens, bathrooms and showers and toilets.
- Joints in bathrooms and kitchens.
- Expansion and connection joints in the building industry: sealing of joints in prefabricated buildings, sealing between window and door frames,...
- Expansion and connection joints indoor in the building industry: sealing of perimeter joints between window and door frames, joints between wall and ceiling,...
- Sealing of expansion joints in facade systems with aluminum composite panels (see instructions of the

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supplier of the panels).

- Interior and exterior floor joints.
- Sealing of floor joints.

#### PACKAGING

Colour: concrete grey, RAL9016 (white), anthracite  
Packaging: 600 ml foil bag, 290 ml cartridge

#### SHELF LIFE

18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

#### SUBSTRATES

Substrates: all usual building substrates, aluminium, stone, treated wood, PVC, ...

Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). Porous surfaces should be primed with Primer 150.

Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or coppercontaining materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

#### JOINT DIMENSIONS

Min. width for joints: 5 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2 x joint depth.

#### APPLICATION METHOD

Apply the product by means of a manual-, battery- or pneumatic- caulking gun. Apply Fibo Seal evenly without air inclusions into the joint. Smoothen the joint with a Fibo Sealing Tool with the help of Fibo Clean. Avoid that soapy solution comes between the joint edges and sealant (to prevent adhesion loss).

Application method:

With a manual, pneumatic or accu caulking gun.

Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).

Finishing: With a Fibo Seal and Fibo Wipes before skinning.

Repair: With the same material.

#### HEALTH- AND SAFETY RECOMMENDATIONS

Take the usual labour hygiene into account.

Consult label and material safety data sheet for more information. Dangerous. Respect the precautions for use.

#### REMARKS

- Fibo Seal may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- Fibo Seal can not be used as a glazing sealant.
- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- Do not use in applications where continuous water immersion is possible.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Not suitable for bonding aquariums.
- Fibo Seal cannot be used on porous materials such as natural stone because of the risk of staining.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.

#### STANDARDS AND CERTIFICATES

Declaration of compliance ISEGA - Tested for use in foodstuffs-related area.

#### ENVIRONMENTAL CLAUSES

LEED regulation:

Fibo Seal conforms to the requirements of LEED. Low-Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials - Adhesives & Sealants concerning the VOC-content.

#### LIABILITY

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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