

FIBO SEAL

Revised: 28.09.2021

Item number: 400590/400591

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Technical Data

Basis	Hybrid Polymer
Consistency	Pastouse, thixotropic mass
Curing	Curing with moisture
Drying time (*)	Ca. 35 min. (20°C/65% R.V.)
Curing time (*)	2 mm/24 t (20°C/65% R.V.)
Shore	30±5 Shore A
Specific gravity	1,50 g/mL
Motion Ability	+/- 20%
Heat resistance (fully cured)	-40°C til +90°C
Elasticity modulus 100%	0,75 N/mm ² (DIN 53504)
Maximum Extension	1,60 N/mm ² (DIN 53504)
Elongation before fracture	800% (DIN 53504)
Application temperature	5 °C to 35 °C

(*) these values may vary depending on conditions such as temperature, humidity and type of substrate.

Product

Fibo Seal is a high quality, 1-component sealant with high adhesiveness and excellent elasticity. The product is based on hybrid polymer

Characteristics

- High adhesiveness on most well-known building materials
- Easy to extrude and smooth even in low temperatures.
- Phthalate free
- Remains elastic after curing
- No smell
- No bubble formation in the sealant even in applications with high temperature and humidity
- Primer-loose adhesive on many substrates (except where high water pressure can occur)
- Can be painted with water-based systems
- Free of solvents, halogen, oxygen and isocyanate

- Organic benefits - free of isocyanates solvents, halogens and acids
- Minimum health and safety considerations
- Can be painted with all water-based paints and many other systems
- Excellent weather resistance in all climates
- Do not stain any porous materials such as natural stone, granite (for marble please test a small area)

Applications

- Expansion and joining joints in the construction industry, joining joints in prefabricated buildings. Movement joints in high-rise constructions, sealing between wall and door and window frames.
- Use where the sealant is to be painted with water-based paint systems.
- Sanitary applications
- Humidification and sealing in sanitary rooms. Sealing in the kitchen and bathroom.

NOTE: The regulations covered by this document are a result of our experiments and experience, and have been presented in good faith. Due to the diversity of materials and substrates, as well as the large number of potential uses beyond our control, we can not assume any responsibility for the result achieved. It is recommended, however, to perform tests before full startup

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Packing

Color: white, light blue and red

Packaging: cartridge 290 mL

Durability

12 months. In unopened packing in cool and dry storage areas temperatures between + 5 ° C and + 25 °.

Resistance to chemical agents

Good resistance to (salt) water, aliphatic solvents, mineral oils, fat, thinned inorganic acids and alkalis
Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrogen

Surfaces

Type: clean, dry, dust and grease free

Cleaning:

Use pH neutral cleaning products. Frequent cleaning with acidic products may deteriorate the sealant and make it brittle.

Maintenance:

Maintenance intervals will vary. This is affected by climatic conditions and mechanical strain. Evaluate visually and press on sealant control adhesion to the materials. Color differences and change in gloss might appear due to external influences. Replacement of damaged sealant should be done with same product. Color deviation might appear between old and new product.

Expected lifetime:

Typically 20 years.

Application

Method: Manual or pneumatic joint gun

Application temperature: + 1 ° C to + 30 ° C

Clean: with Fibo Cleaner immediately after application and before curing. Fibo Wipes can be used when product is fully cured.

Repair: with Fibo Seal

Health and safety recommendations

Use common industrial hygiene. For more information, refer to the HSE data sheet

Comments

- Fibo Seal can be painted over, but due to the large number of paints and beans on the market, we strongly recommend a compatibility test before application.

- Fibo Seal can not be used as top seal for windows and doors.

- When applied, avoid spillage. Masking of surrounding surfaces can counteract this.

- Absolute lack of UV rays during curing can discolor the product. Chemicals in the air can also cause coloration in different colors. For instance gassing from nearby curing concrete is known to give a similar coloration. Technical characteristics do not change. To reverse the discoloring wash the discolored areas with a 50/50 chlorine-water solution, leave for 10 minutes then rinse thoroughly with water.

- The sanitary properties do not replace regular washing of the joint. High contamination and soap residue will stimulate the development of mold.

- Not suitable for gluing aquariums.

- Fibo Seal can not be used against natural stone due to the risk of discoloration of natural stone.

Environmental requirements

Leed regulations:

Fibo Seal complies with the requirements of LEED.

Low-emitting materials: Glues and sealants.

SCAQMD Rule 1168. Complies with USGBC

LEED®2009 Appropriate 4.1: Low-emission materials -Lim and seal for VOC content

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