

# LAflexseal Bygg & Fasad

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## Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
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

LAflexseal Bygg& Fasad is a high quality, neutral, elastic, 1-component joint sealant based on SMX-Polymer.

## Properties

- Good adhesion on most common building materials.
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Phthalate-free
- EC-1 PLUS label: very low emission
- 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)
- Good weather and UV resistance
- Solvent, halogen, acid and isocyanate-free.
- Paintable
- Not suitable for natural stone

## Applications

- 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 supplier of the panels).
- Interior and exterior floor joints
- Sealing of floor joints.

## Packaging

*Colour:* Concrete Grey, white RAL9010

*Packaging:* 290ml cartridge, 600ml foil bag

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**Shelf life**

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

**Chemical resistance**

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

**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 an activator or cleaner. Porous surfaces should be primed.

Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing 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**

*Application method:* With a manual, pneumatic or accu caulking gun.

*Cleaning:* Clean with White Spirit or a cleaner immediately after use (before curing).

*Finishing:* With a soapy solution or a finishing solution 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.

**Remarks**

- LAFlexseal Bygg& Fasad 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.
- LAFlexseal Bygg& Fasad 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.
- A total absence of UV can cause a color change of the sealant.
- 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.
- LAFlexseal Bygg& Fasad 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.

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## Environmental clauses

### *Leed regulation:*

LAflexseal Bygg& Fasad 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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