26 June 2024

GAP FILLING EXPANDING FOAM STRAW TYPE

Technical Data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin formation* (EN 17333-3)	10 min
Cutting time (EN 17333-3)	35 min
Free foamed density (EN 17333-1)	Ca. 29 kg/m^3
Thermal conductivity (λ) (EN 12667)	0.035 W/m.K
Box Yield (EN 17333-1)	500 ml yields ca. 17 l of foam 750 ml yields ca. 28 l of foam
Joint Yield (EN 17333-1)	500 ml yields ca. 13 m of foam 750 ml yields ca. 20 m of foam
Shrinkage after curing (EN 17333-2)	< 1 %
Expansion after curing (EN 17333-2)	None
Expansion during curing (EN 17333-2)	Ca. 167 %
Percentage closed cells (ISO4590)	Ca. 7%
Fire rating (DIN4102)	B3
Compressive strength (EN 17333-4)	Ca. 22 kPa
Shear strength (EN 17333-4)	Ca. 39 kPa
Tensile Strength (EN 17333-4)	Ca. 80 kPa
Elongation at Fmax (EN 17333-4)	Ca. 16.7 %
Temperature resistance**	-20 °C → +90 °C, +120 °C (max 1 hr)
Application temperature	
Can temperature	5 °C → 30 °C
Ambient temperature	5 °C → 30 °C
Surface 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

Gap Filling Expanding Foam Straw Type is a one-component, self-expanding, ready to use PU-foam, which contains HCFC- and CFC-free propellants which are not harmful for the ozone layer.

Properties

- Excellent stability (no shrinkage or post expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE).
- High insulation value, thermal and acoustic
- Very good bonding properties.
- Not UV-resistant
- Freon free (not harmless to ozone layer and greenhouse effect)
- Not UV-resistant

Applications

- Very good adhesion on all usual porous building
- Installing of window and door frames.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle
- Improving thermal isolation in cooling systems.

Packaging

Colour: champagne
Packaging: 500 ml, 750 ml aerosol (net)

Shelf life

At least 18 months in original, unopened packaging in a cool and dry storage place with temperature between +5°C and +25°C. Upright storage is recommended.

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GAP FILLING EXPANDING FOAM GENIUS GUN

Substrates

Nature: clean, free of dust and grease
Surface preparation: For optimal adhesion, we recommend to follow a pretreatment procedure. Moisten surfaces with a water sprayer prior to application.

We recommend a preliminary adhesion and compatibility test on every surface.

Application method

Refer to the current Technical Data Sheet on our website prior to use.

Shake the aerosol can for at least 20 seconds. Place the adapter on the valve.

For non-conventional substrates a preliminary adhesion test is recommended. Remove pressure from the applicator to stop. Fill holes and cavities for 1/3, as the foam will expand. Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer.

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Cleaning: Clean with Soudal Gun & Foam cleaner or acetone immediately after use. Cured Gap Filling Expanding Foam Straw Type can be removed mechanically or with PU Foam Remover. Prior to using the Gun & Foam cleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this.
Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away.

Consult label and safety data sheet (SDS) for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well-ventilated areas.

Remarks

- Moisten surfaces with a water sprayer prior to application.
- If you have to work in layers repeat moistening after each layer. For not common surfaces we recommend an adhesion test.

Environmental clauses

Leed regulation:
Gap Filling Expanding Foam Straw Type 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.