

Soudafoam Gun Low Expansion

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Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture Curing
Skin formation	8 minutes (at 20°C and 60% R.H.)
Density	Ca. 25 kg/m ³
Temperature resistance	-40°C till +90°C (cured)
Shear strength	Ca. 17 N/cm ²
Curing time	1 hour for 30 mm bead at 20°C
Box Yield (TM 1003-2010)	750 ml yields 50 l (FEICA TM 1003-2010)
Shrinkage	<5%(FEICA TM 1004-2010)
Post-expansion	<1% (FEICA TM 1004-2010)
Cellular Structure	ca. 70% closed cells
Fire rating (DIN4102)	B3
Insulation factor (DIN52612)	35 mW/m.K
Compressive strength (DIN53421)	ca. 3 N/cm ² (FEICA TM 1010)
Bending strength (DIN53426)	Ca. 7 N/cm ²
Water absorption	ca 2% for foam which is not cut

Soudal NV uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: www.feica.eu

Product description

Soudafoam Gun Low Expansion is a single component, self expanding, ready to use polyurethane foam, where the canister is provided with a thread so it can be used on a gun. due to the fact that the product has a minimal expansion, this foam perfect suitable for installing door and window frames

Properties

- Excellent stability (no shrinkage or post-expansion)
- Only limited expansion
- Good adhesion on all surfaces (except PE, PP and PTFE).
- High insulation value, thermal and acoustic
- Easy to dose
- Professional quality
- Very good bonding properties.

Applications

- Installing of window and door frames.
- Apply of a sound absorbing layer.

- Apply of an acoustic baffle.
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Improving thermal isolation in cooling systems.

Packaging

Colour: champagne

Packaging: 750 ml aerosol (net)

Shelf life

18 months unopened und stored in dry and cool conditions, Store upright is recommended

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Application method

Application method: Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter. Surface should be free from grease and dust. Moisten surfaces with a water sprayer prior to application. Fill holes and cavities for 65 %, as the foam will expand. Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using SoudalFoamcleaner or acetone. Cured foam can only be removed mechanically

Health- and Safety Recommendations

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Since the can contains flammable propellant, all possible ignition sources should be removed before application. Consult label and material safety data sheet for more information.

Remarks

- The use of a foam gun offers the possibility to dose the foam very precisely.
- Slightly moistening of the surface in hollow spaces optimizes the good adhesion and the yield.

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