

Soudafoam TT Gun

Revision: 3/04/2023

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Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	7 min
Cutting Time (EN 17333-3)	30 min
Free foamed density (EN 17333-1)	Ca. 22 kg/m ³
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (EN 17333-5)	30,2 mW/m.K
Box Yield (EN 17333-1)	750 ml yields ca. 38 l of foam
Joint Yield (EN 17333-1)	750 ml yields ca. 26 m of foam
Shrinkage after curing (EN 17333-2)	< 1 %
Expansion after curing (EN 17333-2)	< 4 %
Expansion during curing (EN 17333-2)	Ca. 56 %
Percentage closed cells (ISO4590)	Ca. 47 %
Water absorption (EN 29767)	Ca. 0,27 kg/m ²
Compressive strength (EN 17333-4)	Ca. 21 kPa
Shear strength (EN 17333-4)	Ca. 40 kPa
Tensile Strength (EN 17333-4)	Ca. 73 kPa
Elongation at Fmax (EN 17333-4)	Ca. 12,3 %
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

Product description

Soudafoam TT Gun is a one-component, self-expanding, ready to use polyurethane foam, which contains HCFC- and CFC-free propellants who are not harmful for the ozonlayer and where the canister is provided with a thread so it can be used on a gun.

Properties

- Easy and fast to apply (saving of up to 30 % in labour time).
- Good adhesion on all surfaces (except PE, PP and PTFE).
- Replaces mortar. Cheaper than the traditional systems.
- Very good bonding properties.
- Fast curing
- Very precise to dose.
- Does not age or rot, but should not be exposed to UV radiation.
- Extremely light
- Resistant to cold and heat
- Resistant to wind forces

- Freon free (not harmless to ozone layer and greenhouse effect)

Applications

- Installation and repair of roof tiles
- Filling of cavities.
- Sealing of all openings in roof constructions.
- Apply of an acoustic baffle

Packaging

Colour: grey, terracotta

Packaging: 750 ml aerosol (net)

Shelf life

Upright storage is recommended. 18 months unopened and stored in dry and cool conditions (Between 5 and 25 °C)

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 are beyond our control, no liability under this publication is 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

Shake the can at least for 20 seconds. Screw the can on the gun. Adjust extrusion rate using the setting screw at the end of the applicator gun to apply beads of 30 mm. Substrate needs to be free of dust and grease. Fill the joint for 2/3 as the foam will expand further during curing. Shake regularly during application. Immediately remove spilled foam with a foam cleaner, cured foam must be removed mechanically. Prior to using the cleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. Remove the cured PU-foam mechanically as good as possible.

Can temperature: +5 °C - 30 °C

Ambient temperature: +5 °C - 30 °C.

Surface temperature: +5 °C - 35 °C

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 material safety data sheet 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.

Standards and certificates

- Resistance to adhesion, according to UNE 83.822.95
- Resistance to freeze-thaw cycles, according to UNE 83.822.95
- Heat resistance, according to UNE 83.822.95

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