

Soudafoam Gun All Seasons

Revision: 08/07/2020

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Technical data

Base	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture cure
Skin formation (20°C/65% R.H.)	8 minutes
Drying time (20°C/65% R.H.)	Dust free after 20-25 minutes
Curing rate	See remarks
Yield	48 liter
Yield (ASTM C-1536) (for 750 ml)	1521 m @ ¼" (6.4 mm) dia. bead
Shrink	None
Post expansion	None
Cellular structure	70-80% closed cells
Specific gravity	23 kg/m ³ (extruded, fully cured)
Temperature resistance	-40 °C to +90 °C when cured
Color	Champagne
Fire class (DIN 4102 part 2)	B3
Insulation factor	4.1 for 25 mm
Shear strength (ASTM C-273)	60 kPa
Compressive strength (ASTM D-1621)	30 kPa
Tear strength	120 kPa
Water absorption	1% Vol

Product description

Soudafoam Gun All Seasons 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. The foam can be used at temperatures as low as -25 °C and as high as 49 °C with a can temperature of minimum 5 °C and maximum 35 °C respectively.

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.
- Use at temperature from -25 °C
- Does not slump slump at low temperatures
- Low expansion
- Freon free (not harmless to ozone layer and greenhouse effect)
- Not UV-resistant

Applications

- 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.
- Insulating around pipes and electrical wiring.

Packaging

Color: champagne

Packaging: 750 ml aerosol (net)

Shelf life

18 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage 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 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 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. For non-conventional substrates a preliminary adhesion test is recommended. 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 Soudal Gun & Foamcleaner or acetone. Cured foam can only be removed mechanically or with Soudal PU-Remover.

Can temperature: +5 °C - +35 °C
Ambient temperature: -25 °C - +49 °C
(+5 °C - +30 °C recommended)
Surface Temperature: -25 °C - +35 °C
(+10 °C - +25 °C recommended)

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.
- Not UV-resistant, cured polyurethane foam must be protected against UV exposure by overpainting, sealing with sealants (e.g. Silicones, polyurethane, acrylic or hybrid polymer) or covering.

Foam Yield and Curing Time

Temperature of can must be greater than 5 °C

Ambient Temperature	20 °C	0 °C	-10 °C	-25 °C
Approximate Yield (liters)	48	32	27	24
Cure Time (Hours)	1,5	3-5	8-10	10-12
Approximate meters @ ¼" bead	1521	788	690	592

Standards and certificates

- ASTM C-1620
- ASTM E-84
- UL 723
- UL 1715

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