

Soudafoam Gun Door and Window

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Technical data

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|----------------------------------|--------------------------------|
| Base | Polyurethane |
| Consistency | Stable foam, thixotropic |
| Curing system | Moisture cure |
| Skin formation (20°C/65% R.H.) | 7-8 minutes |
| Drying time (20°C/65% R.H.) | Dust free after 20-25 minutes |
| Curing rate (20°C/65% R.H.) | 30 minutes for a 1/8" bead |
| Yield | 44 liter |
| Yield (ASTM C-1536) (for 750 ml) | 1467 m @ ¼" (6.4 mm) dia. bead |
| Shrink | None |
| Post expansion | None |
| Cellular structure | 70-80% closed cells |
| Color | Champagne |
| Insulation factor | 3.9 - 4.1 for 25 mm |
| Water absorption | 1% Vol |
| Shelf Life | 18 months |
| Application Temperature | 5 °C – 35 °C |
| Service Temperature | -40 °C – 90 °C |

Product description

Soudafoam Gun Door and Window 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

- 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.
- Will not bow or bend window and door frames
- 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.
- All foam applications in static joints.
- Insulation of window- and door frames and window sills
- 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: +5 °C - +35 °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.
- 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.

Standards and certificates

- AAMA 812-10
- ASTM C-1620
- ASTM E-84
- UL 723
- UL 1715

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