

Soudafoam Gap Fill Genius

Revision: 08/07/2020

Page 1 from 2

Technical data

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.)	1 hour for a 1/8" bead
Yield	22 liter
Yield (ASTM C-1536) (for 600 ml)	695 m @ 1/4" (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 Gap Fill Genius is a one-component, self-expanding, ready to use PU-foam, which contains HCFC- and CFC-free propellants who are not harmful for the ozonlayer. It has been fitted with the unique patented Genius Gun - adaptor system for maximum comfort during application.

- Sealing of all openings in roof constructions.
- Apply of a sound absorbing layer.
- Improving thermal isolation in cooling systems.
- Insulating around pipes and electrical wiring.

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.
- Easy to dose
- Fast curing
- Freon free (not harmless to ozone layer and greenhouse effect)
- Not UV-resistant

Packaging

Color: champagne

Packaging: 600 ml aerosol (net)

Shelf life

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

Applications

- All foam applications in static and not static joints.
- Filling of cavities.

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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Revision: 08/07/2020

Page 2 from 2

Application method

Shake the aerosol can for at least 20 seconds. Open the cover and fold the tube horizontally. 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 1/3, 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. For storage: detach the bung, close nozzle with bung, close the cap and store can upright.

- UL 723
- UL 1715

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

- ASTM C-1620
- ASTM E-84

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