Gap Filling and Expanding Foam Genius

Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	7 min
Cutting Time (EN 17333-3)	25 min
Density	Ca. 25 kg/m³
Sound insulation (EN ISO 717-1)	58 dB
Insulation factor (DIN52612)	37 mW/m.K
Box Yield (EN 17333-1)	500 ml yields ca. 19 l of foam 600 ml yields ca. 23 l of foam 750 ml yields ca. 29 l of foam
Joint Yield (EN 17333-1)	500 ml yields ca. 17 m of foam 600 ml yields ca. 20 m of foam 750 ml yields ca. 25 m of foam
Shrinkage after curing (EN 17333-2)	< 3 %
Expansion after curing (EN 17333-2)	< 1 %
Expansion during curing (EN 17333-2)	Ca. 117 %
Compressive strength (EN 17333-4)	Ca. 38 kPa
Shear strength (EN 17333-4)	Ca. 54 kPa
Temperature resistance**	-40 °C till +90 °C (cured) 120 °C (max 1 hour)

** This information relates to fully cured product.

Product description

Gap Filling and Expanding Foam 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.

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

Applications

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

Packaging

Colour: champagne
Packaging: 500 ml, 600 ml and 750 ml aerosol (net)

Shelf life

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

Remark: This technical data sheet replaces al 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.

Gap Filling and Expanding Foam Genius

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. Prior to using the Gun & Foamcleaner, test whether surfaces are affected or not. Especially plastics and lacquer or paint layers can be sensitive to this. 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.

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
- Slightly moistening of the surface in hollow spaces optimizes curing, good adhesion and yield.

Remark: This technical data sheet replaces al 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.