SOUDAL

Technical datasheet

Soudafoam PRO

Description

Soudafoam PRO is a one-component, moisture-curing, self-expanding, ready to use polyurethane foam, containing HCFC and CFC-free propellants which are not harmful for the ozone layer and where the canister is provided with a thread so it can be used on a gun.

Properties

- Excellent stability (no shrinkage post expansion)
- High filling capacity
- Good adhesion on all surfaces (except PE, PP and PTFE)
- Very good bonding properties
- High insulation value, thermal and acoustic
- Freon free (Does not harm the ozone layer)

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
- Filling around pipes/pipe penetrations

Technical data

Base		Polyurethane
Consistency		Stable foam, thixotropic
Curing system		Moisture curing
Skin formation time (min)*		7
Cutting time (min)*	EN 17333-3	60
Percentage closed cells (%)	ISO 4590	22
Reaction to fire classification	EN 13501-1	No fire classification (F)
Box yield	EN 17333-1	750 ml yields ca. 40L of foam
Joint yield	EN 17333-1	750 ml yields ca. 36m of foam
Shrinkage after curing (%)	EN 17333-2	< 5
Thermal conductivity (λ)	EN 12667	0.035 (W/m.K)
Expansion during curing (%)	EN 17333-2	ca. 45
Expansion after curing (%)	EN 1733.3-2	None
Compressive strength (kPa)**	EN 17333-4	ca. 26
Tensile strength (kPa)	EN 17333-4	ca. 79
Shear strength (kPa)**	EN 17333-4	ca. 45
Temperature resistance (^{0}C)**		-40 to +90 (cured)

Footnote: *These values may vary depending on environmental factors such as temperature, moisture and the type of substrate. **This information relates to fully cured products.

Soudal India- Plant
Plot No. 200, Sec 4, Phase – II, Growth Centre, Bawal, Dist.
Rewari, Haryana - 123501
+91 8010114114
www.soudal.in info@soudal.in

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Application method

- Application method

  Shake the aerosol can for atleast 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 must work in layers, repeat moistening after each layer.

- Cleaning method

  Fresh foam can be removed using Soudal Gun & Foam Cleaner or acetone. Prior to using the Gun and Foam Cleaner, 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.

- Repair method

  Repair with the same material.

  Can temperature: +5°C to +30°C
  Ambient temperature: +5°C to +30°C
  Surface temperature: +5°C to +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 datasheet for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well-ventilated areas.

Packaging/Logistics

Colour: Champagne
Packaging: 750ml aerosol
Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C. Upright storage is recommended.

Remarks

- Moisten surfaces with a water sprayer prior to application.
- If you must work in layers repeat moistening after each layer.
- For non-common surfaces we recommend an adhesion test.
- Not UV-resistant, cured polyurethane foam must be protected against UV by overpainting, sealing with sealants (e.g. silicones, polyurethane, acrylic or hybrid polymer) or covering.

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