

Webbflex PU Foam

Expanding Polyurethane Foam

Features & Benefits

- Conformance: DIN 4102 Part 1, Class B3
- Simple to use one component in-situ foam
- Fills gaps
- Fixes frames
- Seals pipework
- Thermal and acoustic insulator
- CFC Free

Description

Webbflex PU Foam is a modified one component polyurethane foam for the filling, sealing and insulation of joints and gaps in building and construction applications. The foam expands rapidly after dispensing and quickly cures to a fine honeycomb structured foam by reacting with atmospheric moisture. The cured product has excellent thermal and acoustic insulation properties and forms a strong bond to most construction materials. The propellant used has no ozone depleting potential. Webbflex PU foam is supplied in pressurised aerosol canisters in both Gun and Nozzle grades.

Typical Uses

Webbflex PU Foam is suitable for general gap filling, bonding and insulation applications. These include the perimeter sealing and fixing of windows and doors, sealing of service penetrations and bonding of insulation panels.



Technical Information

Type	Modified Polyurethane
Cure System	Moisture Reactive
Conformance	DIN4102, Part 1, Class B3
Compression Stress @ 10%	30kPa
Acoustic Damping	58dB maximum limit
Water Absorption	0.3% Vol
Temperature Resistance	-40°C to +90°C
Application Temperature	+10°C to +25°C
Storage Temperature	+5°C to +25°C
Tack Free	8 to 10 minutes
Trimable After	20 to 60 minutes
Yield	Up to 40x Canister Volume
Colour	Light Green
Packaging	Gun Grade 750ml Canisters x12 per box Nozzle Grade 500 & 750ml Canisters x12 per box

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Surface Preparation

Substrates must be clean and free from dirt and grease. Remove any loose particles by brushing. Dampen the joint surfaces with clean water before application to assist adhesion and accelerate curing.

Application

Shake the can thoroughly at least 20 times to mix the contents before use and repeat periodically during use. Follow the instructions printed on the canister label. Joints should be underfilled to allow for post expansion of the foam.

When filling deep joints apply in layers, waiting until each layer has skinned and partially cured before applying the next. Applying a light misting of clean water between each layer before subsequent application will assist adhesion and cure speed.

The foam will be tack free in approximately 10 minutes and trimmable in 20 – 60 minutes depending on thickness, temperature and humidity.

Cleaning

Remove splashes immediately with Webbflex PU Foam Solvent Cleaner or acetone. Cured foam can only be removed mechanically.

Storage

Store between + 5°C and 25°C in dry conditions upright and in original packaging. Shelf life approximately 9 months. Do not expose canisters to direct sunlight.

Limitations

Webbflex PU foam is not UV resistant and should be protected with a suitable opaque sealant, filler or paint. It does not bond to polythene, Teflon, siliconised or wax- like surfaces.

Health & Safety

Product Health and Safety Data Sheet must be read and understood before use.