

## Expanding Foam

### Technical Data

Base	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture-cure
Skin formation	Ca. 8 minutes (20°C/65% R.H.)
Drying time	Dust-free after 20-25 min. at 20°C
Curing rate	1,5 h for a 30mm bead (20°C/65% R.H.)
Yield	1000 ml yields 40 L cured foam
Shrink	None
Post expansion	None
Cellular structure	Ca 70-80% closed cells
Specific gravity	Ca. 27 kg/m <sup>3</sup> (extruded, fully cured)
Temperature resistance	-40°C to +90°C when cured
Colour	Champagne
Fire class (DIN 4102 part 2)	B2
Insulation factor	Ca. 30 mW/m.K
Shear strength (DIN53427)	Ca 14/cm <sup>2</sup>
Pressure strength (DIN53421)	Ca 3/cm <sup>2</sup>
Bowing strength (DIN53423)	Ca 7/cm <sup>2</sup>
Water absorption (DIN53429)	2% Vol.

### Product:

Expanding Foam with CFC-free propellant is a one-component, self expanding, ready-to-use polyurethane foam with propellants which are completely harmless to the ozone layer and meets the German Fire Class B2 (DIN 4102-Part 2).

### Characteristics:

- Excellent adhesion on most substrates (except Teflon, PE and PP)
- High thermal and acoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post expansion)

### Application areas:

- Installation of window- and doorframes
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Mounting and sealing of window- and doorframes
- Connecting of insulation materials and roof constructions
- Application of a soundproofing layer on motors
- Improving thermal insulation in cooling systems

### Packaging:

Aerosol can 750 ml

### Shelf life and storage :

- 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.
- Always store can with the valve pointed upwards

### Application:

Shake the aerosol can for at least 20 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. Remove pressure from the applicator to stop. Fill holes and cavities for 50 %, 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 foamcleaner or acetone. Cured foam can only be removed mechanically. Working temperature 5°C to 35°C. (20°C-25°C recommended)

### Health and safety recommendation:

- Apply the usual industrial hygiene.
- Wear gloves and safety goggles.
- Remove cured foam by mechanical means only, never burn away
- Consult the label for more information.

### Remarks:

- Cured PU-foam must be protected from UV radiation by painting or applying a top layer of sealant (silicone, MS Polymer, PU and acrylic)

### Approvals:

Fire Class B2 to DIN 4102-Part 2: Prüfzeugnis PSAC 02/IV-010, MFA Leipzig