



Polyurethane Foams

MEGAFOAM LOW EXPANSION

Technical Data Sheet

Reviewed: 06.06.2025

DESCRIPTION

MEGAFOAM LOW EXPANSION is high quality, self-expanding, one – component, ready to use polyurethane foam for professional use. It has a minimal expansion after application (less than 50%) and is therefore very economical to use. It contains CFC-free propellants, which are completely harmless to the ozone layer.

ADVANTAGES

- Low post-expansion
- Excellent adhesion on most substrates
- High thermal and sound insulation
- Higher yield - Excellent filling capacities
- Excellent mounting capacities
- Excellent stability
- User and environment friendly

APPLICATIONS

- Fixing and sealing of window and doorframes
- Filling of cavities around pipes or other
- Sealing of all openings in roof constructions
- Fixing of insulation materials and roof constructions
- Thermal and sound insulation
- Sealing and filling around pipes and conduits
- Application of a soundproofing layer on motors
- Improving thermal insulation in cooling systems

Not recommended for applications on Teflon, PE & PP

INSTRUCTIONS FOR USE

Surface preparation

Moistening of the surfaces and the uncured foam with a water sprayer improves adhesion and curing speed.

Application

1. Surfaces must be clean, free of dust and grease.
2. Wear suitable protective gloves.
3. Shake the can well for at least 30 seconds.
4. Fit the tube onto the valve
5. Hold the can upside-down and extrude the foam by pressing the valve
6. Gaps have to be filled partially up to 65% as the foam will expand
7. Repeat shaking regularly during application.
8. If you have to work in layers repeat moistening after each layer.

A suitability test is recommended.

CONSUMPTION

750ml yield up to 40Lt of cured foam.

REMARKS

- Avoid contact with uncured foam after application especially at low temperatures.
- Cured PU foam must be protected from UV radiation by applying a top layer of PU or acrylic paint or sealant (silicone, acrylic, MS Polymer).

CLEANING

Fresh foam can be removed with GUN & FOAM CLEANER or acetone. Cured foam can only be removed mechanically.

TECHNICAL CHARACTERISTICS

Base: Polyurethane

Consistency: Stable foam

Curing system: Moisture - cure.

Skin formation (20°C/ 65% R.H.): Ca. 8 min.

Drying time (20°C/ 65% R.H.): Dust free after 20-25 min.

Curing rate (20°C/ 65% R.H.): 1h for a 30 mm bead

Shrink: None

Post expansion: None

Cellular structure: Ca 70-80% closed cells

Specific gravity: Ca 25kg/m³ (extruded, fully cured)

Temperature resistance: -40°C until +90°C when cured

Color: Beige

Fire Class (DIN 4102 part2): B3 approval P-SAC 02/IV-010, MFPA Leipzig

Shear Strength (DIN 53427): 17N/cm²

Pressure Strength (DIN 53421): 3N/cm²

Bowing Strength (DIN 53423): 7N/cm²

Water Absorption (DIN 53429): 1% Vol.

Application temperature: +5°C up to +35°C.

STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 30°C. Protect from moisture, frost and direct sunlight. **Always store can with the valve pointed upwards.**

SHELF LIFE

At least 18 months in unopened containers, in the above mentioned storage conditions

PACKAGING

Aerosol cans 300ml, 750ml

PACKAGING	CODE	BARCODE
300ml	9417	5204094094173
750ml	09411	5204094094111

HEALTH AND SAFETY INFORMATION

Consult products Safety Data Sheet before application.

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The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory 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 beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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