



## Polyurethane Foams

### MEGAFOAM LOW EXPANSION

#### Technical Data Sheet

Reviewed: 06.06.2015



#### 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
- 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

1000 ml yield 45 - 50 Lt 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/m<sup>3</sup> (extruded, fully cured)

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

**Colour:** Beige

**Fire Class (DIN 4102 part2):** B2 approval P-SAC 02/IV-010, MFPA Leipzig

**Shear Strength (DIN 53427):** 17N/cm<sup>2</sup>

**Pressure Strength (DIN 53421):** 3N/cm<sup>2</sup>

**Bowing Strength (DIN 53423):** 7N/cm<sup>2</sup>

**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.**

# Evochem®

EVOCHEM S.A.

Tzavredella place 13341, Fyli, Attica, Greece

Tel.: 210 5590460, 210 5590155 Fax: 210 5590244

E-mail: info@evochem.gr Website: www.evochem.gr





## Polyurethane Foams

### MEGAFOAM LOW EXPANSION

Technical Data Sheet

Reviewed: 06.06.2015

#### SHELF LIFE

At least 12 months in unopened containers, in the above mentioned storage conditions

#### PACKAGING

Aerosol cans 750ml

PACKAGING	CODE	BARCODE
750ml	09411	5204094094111

#### HEALTH AND SAFETY INFORMATION



**Acute Tox. 4: H332** - Harmful if inhaled **Aquatic Chronic 3: H412** - Harmful to aquatic life with long lasting effects **Carc. 2: H351** - Suspected of causing cancer **Eye Irrit. 2: H319** - Causes serious eye irritation **Flam. Aerosol 1: H222** - Extremely flammable aerosol **Lact.: H362** - May cause harm to breast-fed children **Resp. Sens. 1: H334** - May cause allergy or asthma symptoms or breathing difficulties if inhaled **Skin Irrit. 2: H315** - Causes skin irritation **Skin Sens. 1: H317** - May cause an allergic skin reaction **STOT RE 2: H373** - May cause damage to organs through prolonged or repeated exposure **STOT SE 3: H335** - May cause respiratory irritation **P273**: Avoid release to the environment **P302+P352**: IF ON SKIN: Wash with plenty of soap and water **P304+P340**: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing **P305+P351+P338**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **P312**: Call a POISON CENTER or doctor/physician if you feel unwell **P362**: Take off contaminated clothing and wash before reuse 2.2: 94/1/EC-Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use 2.3: 2008/47/EC-Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children **EUH204**: Contains isocyanates. May produce an allergic reaction **EUH208**: Contains 4,4'-methylenediphenyl diisocyanate, isomers and homologues. May produce an allergic reaction

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.



# Evochem®

EVOCHEM S.A.  
Tzavardella place 13341, Fyli, Attica, Greece  
Tel.: 210 5590460, 210 5590155 Fax: 210 5590244  
E-mail: info@evochem.gr Website: www.evochem.gr

