



# Polyurethane Foams

## MEGAFOAM EPS-XPS GUN

### Technical Data Sheet

Reviewed: 27.06.2025

#### DESCRIPTION

**MEGAFOAM EPS-XPS GUN** is high quality, one component, ready to use polyurethane-based foam-glue with minimal expansion after application. It's ideal for professional bonding insulating boards of extruded or expanded polystyrene to concrete, plaster and masonry surfaces. It is waterproof, elastic and can be plastered. It has excellent adhesion to plaster, brick, mortar, asphalt, wood, hardboard, gypsum, cardboard and metal surfaces. Solvent-Free.

#### ADVANTAGES

- High quality, professional grade
- Qualified for thermal facade systems
- Excellent thermal & acoustic insulation
- Can be applied on wet surfaces minimising drying time
- Excellent adhesion on most substrates
- High yield
- Easy application
- Decreased consumption
- Less loading weight on the structural elements compared to adhesives in the form of mortar
- Saves time & cost compared to other conventional adhesives in mortar form
- Lower transportation costs
- Lower storage costs
- Faster project delivery – in 45' to 3 hours the boards can be fixed with the mechanical anchoring plugs
- It's low secondary expansion while it does not contain solvents
- Resistant to moisture and ageing
- High performance up to 14 m<sup>2</sup> of boards can be held using one bottle

#### APPLICATIONS

- Bonding and assembling polystyrene panels (EPS, EPS-P, XPS, etc.), rigid polyurethane foam (PUR / PIR) and mineral fiber panels on concrete, plaster and masonry.
- Filling joints between the insulation boards.
- Not recommended for applications on Teflon, silicone, PE & PP

#### INSTRUCTIONS FOR USE

##### Surface preparation

Moistening the surfaces 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 gun on the adapter
5. Hold the can upside-down and extrude the foam by pressing the valve
6. Apply around the edges of the perimeter of the plate specifically, 5cm inside from the edges.
7. Apply 10-15mm thick strips in a "W" shape. Alternatively, apply parallel strips of the same thickness with a distance of 25-30cm between them.
8. Within 2 – 4 minutes fasten the plate to the substrate, before the foam starts to harden.
9. After 45 minutes to 3 hours, proceed with the mechanical fixation (anchoring) of the boards.
10. Fill gaps between the thermal insulation boards with **MEGAFOAM EPS-XPS** to avoid creating a thermal bridge that will reduce the overall thermal insulation of the building.

#### Caution:

The boards must be mechanically supported at the bottom of the wall to prevent sliding before the foam is fully cured. Gluing with foam is not a substitute for mechanical fastening with the appropriate mechanical anchoring plugs.

**Product suitability testing is recommended.**

#### CONSUMPTION

Each can of 750ml can glue 10 – 14 m<sup>2</sup> of insulation boards.

#### REMARKS

- Avoid contact with uncured foam after application especially at low temperatures.
- Cured PU foam must be protected from UV radiation and high temperatures.
- Before use, all **MEGAFOAM EPS-XPS** should be stored at room temperature for at least 12 hours.

#### CLEANING

Fresh foam can be removed with GUN & FOAM CLEANER or acetone. Proper cleaning of the gun after each application guarantees long life of the gun. Cured foam can only be removed mechanically.

#### TECHNICAL CHARACTERISTICS

**Base:** Polyurethane – solvent free

**Consistency:** Stable foam

**Curing system:** Moisture-cure.

**Skin formation (20°C/ 65% R.H.):** ~ 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:** Almost none

**Post expansion:** Almost none

**Cellular structure:** 70-80% closed cells

**Specific gravity:** ~18kg/m<sup>3</sup> (extruded, fully cured)

**Temperature resistance:** -40°C until +90°C when cured (up to +140°C for short time periods)

**Color:** Light Blue

**Fire Class (DIN 4102):** B3

**Pressure Strength (DIN 53421):** 4N/cm<sup>2</sup>

**Water Absorption (DIN 53429):** max. 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 750ml

PACKAGING	CODE	BARCODE
750ml	9413	5204094094135

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## HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before use.

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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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