INSOLA
INNOVATIVE SOLUTIONS & APPLICATIONS

Technical data sheet

Mouting foam Polynor Mega Pro 70 All Season with an increased yield 70L, all season formulation, for professional use with a mounting foam gun

Product description:

One-component polyurethane mounting foam, which has a particularly high yield and fast curing time. May be used at negative and positive ambient temperature.

Base	Polyurethane
Curing system	Polymerisation due humidity
Density	17±15% kg/m³
Surface formation time	8 min – 30 mm foam bead
Cutting time	19 min – 30 mm foam bead
Fully cured	24 hours
Compression strength at 10% deformation (PN-EN ISO 29469:2023)	3,1 N/cm²
Tensile strength (PN-EN 1607:2013-07)	9,7 N/cm²
Shear strength (PN-EN 12090:2013)	5,3 N/cm²
Thermal conductivity	0,034 W/(m*k)
Sound reduction index Rst, w	60 dB
Temperature resistance of fully cured product	(-60ºC … +110ºC)
Yield (*) (20°C / 65% relative humidity)	Up to 70 litres from 1000 ml

(*) Indicators may vary depending on environmental influences such as the temperature, humidity, etc.

Areas of application:

The foam is used for the installation of doors and windows frames, for the insulation and fastening of pipes, for the filling of holes and gaps, and for the thermal insulation of cracks.

Advantages:

- Great adhesion to many surfaces such as concrete, brick, stone, wood, PVC, aluminium, enamelled surfaces and more (excluding PE and PP, PTFE and silicone).
- Has good thermal and sound insulation.
- Extremely high yield
- Low post expansion
- Short curing time
- Cutting time of 19 min
- Dimensional stability – does not shrink or expand after fully cured

Application conditions:

The air temperature during use can be -10°C to +30°C, although the best results are obtained at +20°C. The temperature of the can during application must be +5°C to +25°C, although the best result is obtained at a temperature of +20°C. Dust, loose particles and oils must be removed from the application surface. The fully cured foam can be painted with non-solvent paints.

Application instructions:

Shake the can well (at least 20 times). Remove the cap and screw on the foam gun, while holding it in upright position, valve up. Adjust the amount of foam with the trigger of the gun. Fill in gaps with no more than 2/3 of the volume. We recommend slightly moistening the foam before it cures– this will improve its properties. If multiple layers are required, moisten each one separately. Occasionally shake the can mounted on the gun as you work. Use a special cleaner or acetone to remove non-cured foam and to clean the gun. The fully cured product can be removed only with a special foam cleaner or mechanically.

Colour:

Yellowish

Packaging:

1000 ml aerosol spray, content 850 ml, 12 pcs. in a box.

Shelf life before opening the package: 18 months

Storage:

The bottles should be stored and transported in an upright position. Store in a dry, cool place at a temperature of +5°C to +35°C. Aerosols should not be stored at a temperature above +50°C or in direct sunlight.

Safety requirements:

This product is flammable. Protect from overheating and keep away from sources of ignition. Avoid direct sunlight. Contains isocyanates. May produce an allergic reaction. Wear safety goggles and gloves. Ensure adequate ventilation. Keep out of the reach of children. The can is under pressure. Do not pierce or damage it, even after use.

Detailed safety information is provided in the Safety Data Sheet (SDS).

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