

TECHNICAL DATASHEET

One-component polyurethane foam

ProMax Pro Fix

One-component polyurethane adhesive foam for the fixing of insulation boards and stone wool in the course of the thermal insulation of buildings. The foam adhesive has superior gluing and sealing qualities. Bonds well with most construction materials, except "Teflon", polyethylene and silicon surfaces. Congealed adhesive is a good temperature and sound insulator. Keep congealed adhesive away from UV and sunlight.

Field of application

Used for installation of insulation panels made of polystyrene foam (also known as polystyrol foam, EPS or XPS) on facades and foundations of new construction works as well as for insulating old buildings. For the fixing of stone wool. Installation and insulation of roof tiles. Insulation and installation of pipes.

Application conditions

The foam is applied by using a special gun.

Ambient temperature should range from -5°C to +30°C. Temperature of the container should range from +5°C to +25 °C; best results can be achieved when the container temperature equals to +20°C.

Adhesive foam bonds well with surfaces cleaned of dust, greases, loose plaster, etc, and such materials as concrete, bricks and plaster.

The surface of congealed adhesive can be painted.

Application

Make sure that the can is warm (+20°C) prior to use. Substrate should be moistened as the foam expands due to the moisture. A moistened surface ensures better results.

If you have attached the container with a foam gun, shake the product well before use. Apply adhesive foam on an insulation panel evenly on the perimeter (3-4 cm from the edge), apply one strip also on the centre of the panel's surface parallel to its longest side (keep the distance between adhesive strips around 25cm). Wait approximately 2 minutes after applying the foam adhesive, then press the panel against the wall. The surface of attached polystyrene foam panels can be further levelled within 5 minutes from installation.

Use installation fixtures when working with balcony ceilings or long lintels.

Technical data

Quality	Unit	Value
Surface dry	minutes	10 - 12
Congealed	minutes	120
Adhesion to EPS*	N/mm ²	0.033
Adhesion to XPS**	N/mm ²	0.039
Density	kg/m ³	20 - 25
Fire resistance of congealed foam adhesive (DIN 4102-1)		B2
Volume shrinkage	%	none
Post-expansion	%	5

Avenue du Forum 19.

1020 BRUXELLES.

Site: www.promax.group

E-mail: promax@promax.group

Phone: +32(0)495494955

Flash point of congealed foam adhesive	°C	400
Tensile strength (BS 5241)	N/cm ²	10
Compressive strength in 10% deformation (DIN 53421)	N/cm ²	4
Thermal conductivity	W/m ² K	0.03
Noise reduction coefficient		R _{ST,w} = 60 dB
Temperature resistance of congealed foam adhesive	°C	Long term: -50 to +90 Short term: -65 to +130
Consumption	m ²	5-6

The above parameters have been measured in +23 °C temperature and 50% relative humidity, unless otherwise specified.

*EPS – Expanded Polystyrene

**XPS – Extruded Polystyrene

Storage conditions

Store and transport the container only in vertical position. Keep in a cool and dry environment. Store in a temperature from +5°C to +30°C. Storage life 12 months.

Never keep the container in temperatures above +50°C, close to heat sources or under direct sunlight.

Safety regulations

The container contains diphenylmethane 4.4-diisocyanate. Harmful when inhaled. Irritates eyes, skin and the respiratory tract. Inhaling of gas may cause an allergic reaction. If spilled in eyes, immediately rinse with plenty of water and seek medical help. Never smoke when working with the product! Ensure good ventilation, use protective gear if necessary. Keep out of the reach of children. Never keep the container in temperatures above +50°C, close to heat sources or under direct sunlight.

Detailed safety information is available on safety data sheet (SDS).

Avenue du Forum 19.

1020 BRUXELLES.

Site: www.promax.group

E-mail: promax@promax.group

Phone: +32(0)495494955

