

ETICS FOAM

PU Foam adhesive for ETICS.

Description

One-component solvent-free polyurethane adhesive-foam for professional use, which polymerizes with atmospheric moisture. It is used for welding insulating polystyrene plates. Easy to use and apply with low post expansion. It has excellent adhesion to all kinds of building materials such as wood, cement, stones, metals etc, is resistant to ageing, moisture and fire (Class B3), while at the same time it is non-toxic.

Application Examples

- For welding polystyrene plates.
- Suitable for internal and external use.

Advantages

- Excellent adhesion to most building materials..
- Low post expansion
- High thermal and acoustic insulation properties.
- Resistance to moisture.
- Resistance to ageing.
- Sensitive to UV radiation.

Technical Characteristics

Form: Highly viscous liquid that becomes froth immediately after the extrusion from the can and cures by reacting with humidity in the atmosphere.

Chemical base: Polyurethane

Scent: Light scent during polymerization. No scent after complete curing.

Density: 18-20 Kg/m³

Skin formation time: 7-8 min (20 °C, RH> 30%)

Curing time: 1 h/RH 93%
18 h/RH 15% max 24h

Fire Class: B3 DIN 4102

Thermal conductivity: -0,03 W/mK

Water absorption (cured foam): Max 1% vol.

Tensile strength: 0,07 Mpa

Elongation at break: 20%

Application temperature: +5 °C - +35 °C

Operating temperature: -40 °C - +90 °C

Note:

- Not recommended for welding on polyethylene and silicone surfaces
- Not recommended for continuous immersion in water

Substrate preparation

The application surface must be clean and free of dust (it can be wet but not frozen). Light wetting is recommended.

Instructions for use

Store the cans at room temperature for at least 12 hours prior to their use. The appropriate temperature of the can during application is between +20 °C to +25 °C. Shake the can for 15 seconds before use, holding it upside down. Before use, lubricate the spray gun with grease or Teflon spray. Then remove the cap and screw the bottle into the special application gun and adjust the flow of the material by turning the screw on the back of the gun.

It is generally recommended to wet the surface of the insulation board before applying the adhesive. The presence of moisture improves the adhesion of the adhesive to the substrate and accelerates curing. Then apply the adhesive material around the perimeter of the insulating plate 5cm inside from its edges and in successive strips with intermediate distances of 30cm between them.

Recommended thickness of the strips is 10-12mm and after 30-40 minutes we apply the plastic fixture of the system.

Important note, the adhesive does not replace the mechanical support of the system with plastic fixtures, which are necessary until the adhesive hardens.

The insulation boards must be supported at the bottom with metal corners to prevent them from sliding off the wall. Any gaps between the insulating boards, if gaps are created, are filled to achieve an effective insulation without thermal bridges.

After use, turn the screw on the back of the gun clockwise until the material stops. The dried pieces are mechanically cleaned. The gun must be attached on the pistol cleaner polyurethane solvent and spray until all the remaining foam is cleaned from the inside of the gun.

Never leave the gun without affixed can and without prior cleaning it.

Consumption

On can is sufficient for welding 13,5m² ±20%. This largely depends on the thickness, the number of applied lines as well as the type of the substrate on which the plates will be mounted.

Packaging

Can 750 ml

Storage

The foam must always be stored upright and must not be stored at temperatures greater than +50 °C. The technical characteristics remain unchanged for 12 months from the date of production. For a longer life, temperatures higher than +25 °C and lower than -5 °C should be avoided.

Notes

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Other information

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