



PU PROFESSIONAL ADHESIVE FOAM

1 – DESCRIPTION

PU PROFESSIONAL ADHESIVE FOAM is a one component aerosol polyurethane adhesive foam curing swiftly with moisture. Providing very fast and powerful adhesion for various construction materials, especially highly recommended for heat insulation systems. It is used with a special applicator gun.

2 – PROPERTIES

- Powerful adhesion of polystyrene heat panels (XPS and EPS).
- Instant adhesion and wall plugging within two hours.
- More economical. Ready to use in aerosol can.
- Up to 14 m² heat insulation panel adhesion for each can.
- Minimum expansion during drying period.
- After dried, no further expansion and shrinkage.
- A lighter material compared to plaster, alternative material, used in heat insulation systems.
- No more extra burden or weight to building.
- High yield up to 55 liters, depending on the humidity and temperature.
- Usable at low temperature like 0 °C
- It does not contain any propellant gases which are harmful to the ozone layer.

3 - APPLICATIONS

- Best for mounting heat insulation panels and filling voids during adhesive application.
- Advised for wooden type construction materials adhesion to concrete, metal etc.
- Applications needed minimum expansion.
- Mounting and isolation for frames of windows and doors.

4 – INSTRUCTIONS

- Optimal can temperature is +20 °C. Application temperature is between 0 °C and +30 °C.
- Shake the can well before use. Screw the can onto an applicator gun.
- The output of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun.
- Always keep the can upside down during application.
- Fresh foam can be cleaned by a Foam Cleaner. Cured foam can be cleaned barely mechanically.
- It is recommended to apply the foam from 3 cm inside of the edges and in 2-3 cm strips as shown in figure-1.

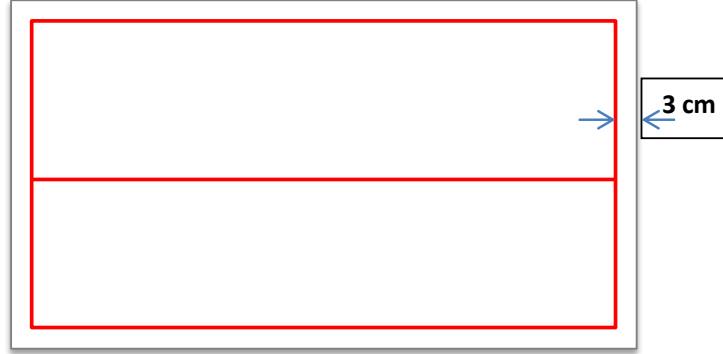


Figure-1

5- PACKAGING

Product	Weight	Package
PU PROFESSIONAL ADHESIVE FOAM	850 gr	12

6- STORAGE AND SHELF LIFE

15 months if stored at room temperature.

7- RESTRICTIONS

- Storage above +30 °C and below +5 °C shortens shelf life.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.
- Dried foam can be wiped out by mechanical force.
- Lower temperatures decreases yield and curing time.

8- SAFETY

Contains Diphenylmethane-4, 4'-Diisocyanate. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapor. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C. Do not pierce or burn, even after use. Keep away from sources of ignition, no smoking. Keep out of the reach of children.

**9- TECHNICAL PROPERTIES**

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 21±3 Kg/m ³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 6±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Color	: Light pink	
Volumetric Yield	: 50-55 L	(ASTM C1536)
Bonding Yield	: ~14 m ²	
Elongation at break	: 13%	
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
Expanding volume (at wall)	: Minimal	
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: max. 1 vo.l%	(DIN 53428)
Tensile Strength	: 7,6 N/ cm ²	
Temperature Resistance	: -40°C to +100°C	
Application Temperature	: 0°C to +30°C	

The results were obtained by providing optimum environmental conditions.