



## P.18 PU ADHESIVE FOAM

### 1 – DESCRIPTION

**PU ADHESIVE FOAM** is an 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.

### 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 m<sup>2</sup> 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.
- Fire Class: E (According to EN 13501-1. It refers to B2 for DIN 4102).
- 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 designed for use into 2-3 cm strips as in figure-1.

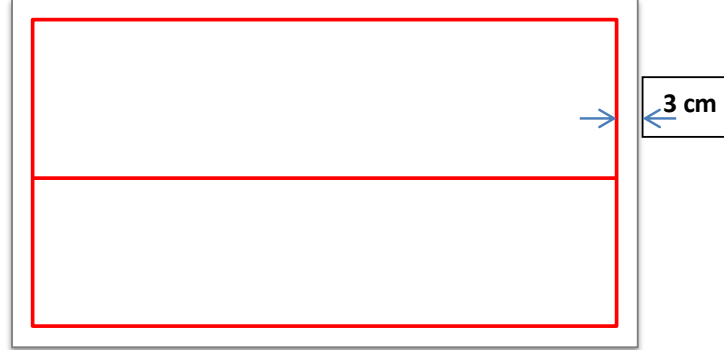


Figure-1

## 5- PACKAGING

Product	Weight	Package
P.18	900 gr	12

## 6- STORAGE AND SHELF LIFE

12 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/vapour. 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

<b>Basis</b>	: Polyurethane Prepolymer	
<b>Curing System</b>	: Moisture cure	
<b>Specific Gravity</b>	: 21±3 Kg/ m <sup>3</sup>	(ASTM D1622)
<b>Tack-Free Time (1 cm width)</b>	: 6±2 min	(ASTM C1620)
<b>Cutting Time (1cm width)</b>	: 20-45 min	(ASTM C1620)
<b>Cure-Time</b>	: 24 hours	
<b>Foam Colour</b>	: Light pink	
<b>Yield</b>	: 50-55 L	(ASTM C1536)
<b>Yield metric</b>	: ≈ 14 m <sup>2</sup>	
<b>Fire Class of the Cured Foam</b>	: B2	(DIN 4102-1) (EN 13501-1)
<b>Expanding volume (at wall)</b>	: Minimal	
<b>Thermal Conductivity</b>	: 0,036 W/m.k (at 20°C)	(DIN 52612)
<b>Compression Strength</b>	: 0,03 MPa	(DIN 53421)
<b>Water Absorption</b>	: max. 1 vol%	(DIN 53428)
<b>Temperature Resistance</b>	: -40°C to +100°C	
<b>Application Temperature</b>	: 0°C to +30°C	

The results were obtained by providing optimum environmental conditions.