

ROOF & TILE ADHESIVE PU GUN FOAM

1 – DESCRIPTION

is a one component aerosol polyurethane adhesive foam curing swiftly with moisture and specifically formulated for laying roofing tiles, thanks to its characteristics of greater mechanical strength and adhesion to concrete and brick to insulating materials such as polystyrene and cork.

2 – PROPERTIES

- Powerful adhesion of roofing tiles.
- Instant adhesion and roof fixing within two hours.
- Exceptional resistance to wear and to the action of the wind.
- Not form thermal bridges, thanks to the excellent thermal insulation.
- Thanks to its modern chemical formulation, it is highly thixotropic.
- More economical. Ready to use in aerosol can.
- Up to 14 m² roofing tile adhesion for each can.
- Minimum expansion during drying period.
- After dried, no further expansion and shrinkage.
- 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

- For laying of tiles and tile construction of insulation on roof repair and consolidation of roofing.
- Laying wooden elements and insulation panels for thermal and acoustic insulation purposes.
- Seals and fittings in general where minimum expansion is needed.
- Mounting and isolation for frames of windows and doors.

4 – INSTRUCTIONS

- Optimal can temperature is +20°C. Ambient temperature should be in 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.
- Surfaces must be clean and free of oil or dust.
- It can adhere to even slightly damp surfaces.
- It is recommended to apply the foam in 2-3 cm strips (figure-1).

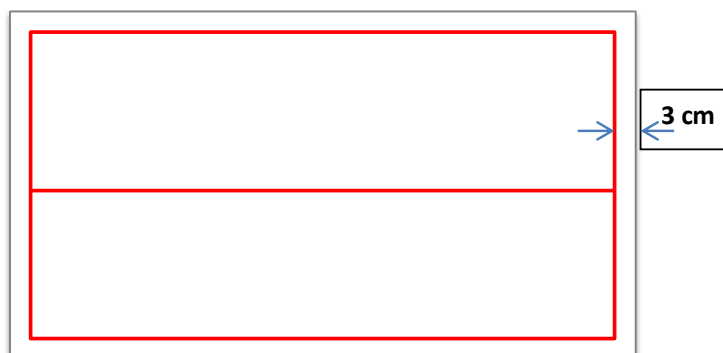


Figure-1

- The foamed tile must be mounted or adhered in 3 minutes.
- Care should be taken not to leave any gaps between the tiles during the application.
- Moisturizing the surfaces before and after the application provides faster curing and increases the bonding strength.
- Fresh foam can be cleaned by Silifix Foam Cleaner. Cured foam can be cleaned barely mechanically.

5- PACKAGING

Product	Weight/Volume	Package
ROOF&TILE Adhesive	800ml/Gw.900 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.
- 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. Use only in well-ventilated areas.
- Wear suitable protective clothing and gloves.
- Pressurized container. Keep away from direct sunlight and don't 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	
Yield	: 50-55 L	(ASTM C1536)
Yield metric	: ~14 m ²	
Fire Class of the Cured Foam	: B3, F	(DIN 4102-1) (EN 13501-1)
Expanding volume	: Minimal	
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Shrinkage	: <5%	
Temperature Resistance	: -40°C to +100°C	
Application Temperature	: 0°C to +30°C	

The results were obtained by providing optimum environmental conditions (23±2°C and 50%±5 R.H.).