

FIRE RATED PU FOAM

1 – DESCRIPTION

Fire Rated PU Foam is a self-extinguishable aerosol polyurethane foam for filling, sealing and bonding gaps. It is designed for easy dispensing through the straw adapter included to each can.

2 – PROPERTIES

- Rated B2 according to DIN 4102.
- Excellent adhesion to most building materials.
- It does not contain any propellant gases that are harmful to the ozone layer.
- It can be painted after curing.
- It can be cut and sawn.

3 - APPLICATIONS

- Fixing and insulating of door and window frames.
- Filling and sealing of gaps, joints and cavities.
- Filling of penetrations in walls.
- Insulating electrical outlets and water pipes.

4 - INSTRUCTIONS

Optimal can temperature is +20 °C. Application temperature is between +5 °C and +35 °C. Shake the can well before use. Screw the adapter on the valve. Hold the can upside down and activate the foam by pressing the valve.

Fresh foam can be cleaned by Akfix Foam Cleaner. Cured foam can be cleaned barely mechanically.

5- PACKAGING

Product	Volume	Package
Fire Rated PU Foam	900gr	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.
- 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

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 22±3 Kg/ cm 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 Colour	: Light red	
Yield	: 30-45 L	(ASTM C1536)
Fire Class of the Cured Foam	: B2	(DIN 4102)
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)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +30°C	