Yeşilbayır Mah. Şimşir Sk. No: 22 Hadımköy - İstanbul/TÜRKİYE Tel: 0212 771 13 71 Fax: 0212 771 38 88 www.akfix.com - info@akfix.com

MAXIMUM PU FOAM

1 – DESCRIPTION

Akfix MAXIMUM is a low expansion and maximum yield formulation aerosol polyurethane foam especially developed for fixing door&window frames. It yields minimum %100 more foam than straw foams, cures faster and forms easy to cut flexible foam.

2 – PROPERTIES

- Maximum Yield: Provides %100 more yield than that of standard straw foams.
- Low-Expansion: Ensures not to bend or bow door and window frames. Decreases foam waste.
- Fast Cure: Becomes tack free in 5 minutes and cut able within 45 minutes.
- Cures Flexible: Easier to cut if the gap is overfilled
- Reusable: Highest technology valves system provides none sticking and reusability.
- Improved Adhesion&Stability: Better non-sagging performance on vertical surfaces.
- Usable in 4 Seasons: Special formulation allows application at low temperatures (-2 °C)
- Polyurethane based: Perfect adhesion on common building materials.
- Closed-Cell Structure: Provides effective heat&sound insulation.
- It does not contain any propellant gases which are harmful to the ozone layer.

3 - APPLICATIONS

- Fixing&sealing of door and window frames.
- Sealing applications where low-expansion is needed.
- Filling small cavities.

4 - INSTRUCTIONS

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. Moisturizing the surfaces and the foam improves adhesion and shortens curing time.
Fresh foam can be cleaned by Akfix Foam Cleaner. Cured foam can be cleaned barely mechanically.

5- PACKAGING

Product	Weight	Package
MAXIMUM	1000 gr	12

6- STORAGE AND SHELF LIFE

15 months if stored at room temperature.

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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

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 19±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 Colour	: Light yellow	
Yield	: 60-65 L	(ASTM C1536)
Expanding volume	: Up to %30	
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
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)
Temperature Resistance	: -40°C to +80°C	
Application Temperature	: -2°C to +30°C	

The results were obtained by providing optimum environmental conditions.