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MULTI PURPOSE PU FOAM

1 – DESCRIPTION

Multi-Purpose PU Foam is a single-component, moisture-curing and self-expanding aerosol polyurethane foam. It is designed for easy dispensing through the straw adapter included with each can. It does not contain any propellant gases that are harmful to the ozone layer.

2 – PROPERTIES

- Excellent adhesion & filling capacity and high thermal & acoustical insulation value.
- Excellent mounting capacity and stability.
- Adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon, silicone and surfaces contaminated with oils and greases, mold release agents and similar materials.
- Mold-proof, water-proof, over paintable.
- Cured foam dries rigid and can be trimmed, shaped and sanded.

3 - APPLICATIONS

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

4 - INSTRUCTIONS

Optimal can temperature is +20 °C. Application (ambient) temperature is between +5 °C to +30 °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. Moisturizing the surfaces and the foam improves adhesion and shortens curing time. Fresh foam can be cleaned by Akkim Foam Cleaner. Cured foam can be cleaned barely mechanically.

5- PACKAGING

Product	Weight	Package
MULTI PURPOSE PU FOAM	750ml/gw.850 gr	12
MULTI PURPOSE PU FOAM	500ml/gw.570 gr	12
MULTI PURPOSE PU FOAM	300ml/gw.350 gr	12

6- STORAGE AND SHELF LIFE

15 months if stored properly.

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7- RESTRICTIONS

- Storage above +25 °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. 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/m^3	(ASTM D1622)
Tack-Free Time (1 cm width)	: 7±3 min	(ASTM C1620)
Cutting Time (1cm width)	: 30-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Color	: Light yellow	
Yield	: 30-45 L	(ASTM C1536)
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)
Tensile Strength	: 0,08 Mpa	(ISO1926-79)
Dimensional stability	: ±10%	(ISO2796/86)
Water penetration	: 0	(ISO2896-87)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min. +5°C max. +30°C	
Temperature Resistance	: -40°C to +80°C	
Application Temperature	: +5°C to +30°C	

The results were obtained by providing optimum environmental conditions.