



812 MULTI PURPOSE PU FOAM (-12°C)

Akfix 812 is a single-component, moisture-curing and self-expanding PU foam especially developed for applications at temperatures of as low as -12 °C. It does not contain any propellant gases which are harmful to the ozone layer.

FEATURES & BENEFITS

- High yield & stability and adequate pressure at frost temperatures.
- Excellent adhesion on most materials.
- Very good filling capacity.
- Resistant to moisture, heat, water and many chemicals.
- High yield up to 45 liters depending on temperature and humidity.
- High thermal & acoustical insulation value.
- Mould-proof, water-proof and over paintable.

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.

INSTRUCTIONS

- Optimal can temperature is +20 °C. Application temperature is between -12 °C and +30 °C.
- Shake the can well before use. Screw the adapter on the valve.
- Always keep the can upside down during application.
- Activate the foam by pressing the valve.
- Fresh foam can be cleaned by Akfix Foam Cleaner. Cured foam can be cleaned barely mechanically.



Excellent
Performance Up to
-12°C



STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- UL & ULC listed.
- The requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.

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.

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.

STORAGE AND SHELF LIFE

- 15 months if stored properly.

PROPERTIES

	+5°C	0°C	-5°C	-10°C
Tack-Free Time (1 cm width)	6min.	5min.	5min.	4min.
Cutting Time (1cm width)	45min.	2h	2h	4h

Table: Effect of environment temperature on Tack-Free and Cutting Time 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)*	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: Light yellow	
UL	: Flame spread: 0 Smoke Development: 0	(UL 723)
ULC	: Flame spread: 10 Smoke Development: 15	(CAN-ULC-S102-10)
Yield	: 30-45 L	(ASTM C1536)
R Value	: ~4.1 per in.	
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)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: - 40°C to +80°C	
Application Temperature	: - 12°C to +30°C	

The results were obtained by providing optimum environmental conditions.

PACKAGING

Product	Weight	Package
812	850 gr.	12

DISCLAIMER

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