

850

Mega PU Gun Foam

1 - Description

Akfix 850; is a single-component PU foam used with an applicator gun and features significantly higher volumes, easier application and reusability. It does not contain any propellant gases which are harmful to the ozone layer.

2 - Properties

- High yield up to 65 liters depending on temperature and humidity.
- Excellent adhesion on common building materials.
- Economical consumption thanks to precise application.
- Conforms to fire class B3 according to DIN 4102-1.
- Mould-proof, water-proof and over paintable.

3 – Application Areas

- 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 - Product Information

Packaging	Gw.1000 g
Shelf Life	15 months
Storage Conditions	Store in cool and dry conditions between +5 °C and +30 °C

The foam maintains its usability within 15 months from manufacturing date, provided that it is stored in original packaging in vertical position (valve facing up) in a dry place in temperature +5°C to +30°C. Storage above +30°C and below +5°C shortens shelf life and properties of product will be affected. Storage of foam cans in temperature exceeding + 50°C or in vicinity of open flame is not allowed. Storage of the product in a position other than recommended may result in jamming the valve.

5 - Product Information

	Method / Conditions	Value
Basis		Polyurethane Prepolymer
Curing Mechanism		Moisture cure
Specific Gravity	ASTM D1622	19±3 Kg/ m ³
Full Cure Time		24 hours
Foam Color		Light Yellow
Volumetric Yield	ASTM C1536 – TM 1003 : 2013*	65 L
Flammability Class	DIN 4102-1	B3
Compression Strength	DIN 53421 – TM 1011 : 2013*	0,03 Mpa

Tack-Free Time	ASTM C1620 - TM 1014 : 2013*	6±2 min
Cutting Time	ASTM C1620 – TM 1005: 2013*	20-45 min
Can/Applicator Temperature	Optimal 20°C	Between +5°C and +30°C
Temperature Resistance	Cured Foam	Between -20°C and +80°C
Application Temperature	Ambient and Surface	Between +5°C and +30°C

* Producer uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: www.feica.eu

6 - Directions for Use

Surface preparation and foam application;

A. Surface cleaning: Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Sprinkle the working surface with water (with gardening sprinkler for example) at temperature >0°C.

B. Product preparation; If the can is too cold / hot then the can should be brought to room temperature, e.g. by immersion in cold / warm water or leaving it in room temperature for at least 24 h. Optimal can temperature is +20 °C.

C. Foam application: Put on protective gloves. Shake the can well before use. Screw the can onto the applicator gun. You may hold the can upside down for application and activate the foam by pressing the trigger. Moisturizing the surfaces and the foam improves adhesion and shortens curing time. Vertical gaps should be filled with foam starting at the bottom and moving up. Do not fill the entire gap- the foam will increase in volume.

D. Tooling and finishing: Immediately after full foam hardening, it should be secured against exposure to UV rays by using e.g. plaster or paints. The manufacturer recommends using the entire can without stopping more than 5 minutes between spraying due to foam drying in the applicator.

E. Cleaning: Fresh foam should be cleaned with AKFIX 800C Foam Cleaner. Cured foam can be cleaned barely mechanically.

7- Remarks & 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.

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 - Disclaimer

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