



# 840 B2 FIRE RATED PU FOAM

**Akfix 840** is a self-extinguishable multi-purpose polyurethane foam which provides moderate fire safety. It is designed for easy dispensing through the straw adapter included to each can.

## FEATURES & BENEFITS

- Excellent adhesion & filling capacity
- Good for filling wide caps with its high expansion rate.
- Economical consumption thanks to precise application.
- Conforms to fire class B2 according to DIN 4102-1.
- High yield up to 55 liters depending on temperature and humidity.
- Mould-proof, water-proof and over paintable.

## APPLICATIONS

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

## INSTRUCTIONS

- Can temperature should be +20 °C.
- Application (ambient) temperature should be between +5 °C to +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.
- 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.

## STANDARDS

Meets or exceeds the requirements of the following specifications:

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



Provides  
Moderate Fire  
Safety



## 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.

## 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

- 12 months if stored properly between +30 °C and +5 °C.

## PROPERTIES

<b>Basis</b>	: Polyurethane Prepolymer	
<b>Curing System</b>	: Moisture cure	
<b>Specific Gravity</b>	: 22±3 Kg/ cm <sup>3</sup>	(ASTM D1622)
<b>Tack-Free Time (1 cm width)</b>	: 6±2 min	(ASTM C1620)
<b>Cutting Time (1cm width)</b>	: 20-45 min	(ASTM C1620)
<b>Cure-Time</b>	: 24 hours	
<b>Foam Colour</b>	: Light red	
<b>Yield</b>	: 45-55 L	(ASTM C1536)
<b>Fire Class of the Cured Foam</b>	: B2	(DIN 4102)
<b>Thermal Conductivity</b>	: 0,036 W/m.k (at 20°C)	(DIN 52612)
<b>Compression Strength</b>	: 0,03 MPa	(DIN 53421)
<b>Water Absorption</b>	: max. 1 vol%	(DIN 53428)
<b>Can Temperature</b>	: min.5°C max. +30°C	
<b>Temperature Resistance</b>	: -40°C to +90°C	
<b>Application Temperature</b>	: +5°C to +30°C	

The results were obtained by providing optimum environmental conditions.



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## PACKAGING

Product	Weight	Package
840	900gr	12

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