



# 885 MEGA PROFESSIONAL PU GUN FOAM (-25°C)

Akfix 885 is a single-component PU foam used with an applicator gun and developed for applications in temperatures up to -25 °C. It contains CFC-free propellants, which are completely harmless to the ozone layer.

## FEATURES & BENEFITS

- High yield up to 65 liters, depending on the humidity and temperature.
- Can be applied at low temperatures up to – 25 °C.
- Minimal expansion, will not cause any distortion.
- Excellent adhesion on common construction materials.
- Very good filling and mounting capacities.
- Does not collapse at low temperatures.
- High thermal and acoustical insulation.
- Mould-proof, water-proof and over paintable.

## APPLICATIONS

- Fixing and insulating of door and window frames.
- Filling and sealing of gaps, joints and cavities in construction systems.
- Insulating electrical outlets and water pipes.
- Filling of all any other gaps in walls.

## INSTRUCTIONS

- Optimal can temperature is +20 °C. Application temperature is between -25 °C and +30 °C.
- Shake the can well before use. Screw the can onto an applicator gun. The output of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun.
- Always keep the can upside down during application.
- Fresh foam can be cleaned by Akkim 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.



Excellent  
Performance Up  
To -25°C



## 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

- 12 months if stored properly at room temperature.

## YIELD AND CURING TIME

Temperature of the can: 23°C

Temperature	20°C	+5°C	0°C	-10°C	-20°C
Cutting Time (1cm width)	20min	45min.	2h	4h	6h
Cured Foam Volume	65 liters	60 liters	55 liters	53 liters	48 liters
Curing Time in Joint of 3cm x 3cm	1,5 hour	2 to 4 hours	3 to 5 hours	8 to 10 hours	10 to 12 hours

**Table:** Effect of ambient temperature on foam properties

## PROPERTIES

<b>Basis</b>	: Polyurethane Prepolymer	
<b>Curing System</b>	: Moisture cure	
<b>Specific Gravity</b>	: 19±3 Kg/ m <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>	: See the curing chart	
<b>Foam Colour</b>	: Light yellow	
<b>Closed Cell</b>	: 70-80%	
<b>UL</b>	: Flame spread: 0 Smoke Development: 5	(UL 723)
<b>Yield</b>	: Up to 65 L	(ASTM C1536)
<b>R Value</b>	: ~4.1 per in.	
<b>Expanding Volume</b>	: Up to %50	
<b>Fire Class of Cured Foam</b>	: B3	(DIN 4102-1)
<b>Thermal Conductivity</b>	: 0,036 W/m.k (at 20°C)	(DIN 52612)



<b>Compression Strength</b>	: 0,030 MPa (At 10% compressed)	(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 +80°C when cured	
<b>Application Temperature</b>	: - 25°C to +30°C	

The results were obtained by providing optimum environmental conditions.

## PACKAGING

Product	Weight	Package
885	1050 gr.	12

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