



AKFIX 960C COMBO ADHESIVE PU FOAM

1 – DESCRIPTION

Akfix 960C Combo Adhesive PU Foam is a one component aerosol polyurethane adhesive foam curing swiftly with moisture. Providing very fast and powerful adhesion for various construction materials, especially highly recommended for heat insulation systems. It can be used with an applicator gun and straw adapter features higher yield, easier application and reusability. It does not contain any propellant gases which are harmful to the ozone layer.

2 – PROPERTIES

- Powerful adhesion to polystyrene heat panels (XPS and EPS),
- Provides high thermal insulation with excellent adhesion and filling properties,
- Instant adhesion and wall plugging within two hours,
- More economical. Ready to use in aerosol can,
- Economical consumption thanks to precise application with gun and straw adapter,
- Provides stronger adhesion with straw adapter,
- Up to 14 m² heat insulation panel adhesion for each can,
- Minimum expansion during drying period with gun application,
- After dried, no further expansion and shrinkage,
- A lighter material compared to mortar, used in heat insulation systems,
- No more extra burden or weight to building,
- High yield up to 55 liters, depending on the humidity and temperature,
- Usable at low temperatures like 0 °C,
- It does not contain any propellant gases which are harmful to the ozone layer.

3 - APPLICATIONS

- Best for mounting heat insulation panels and filling voids during adhesive application,
- Advised for wooden type construction materials adhesion to concrete, metal etc.
- Applications which needed minimum expansion,
- Mounting and isolation for frames of windows and doors.

4 – INSTRUCTIONS

- Application temperature is in between 0 °C and +30 °C. Optimal can temperature is +20 °C.
- Shake the can well before use. Screw the can to an applicator gun or straw adapter. 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.
- The most suitable way to apply 960C Adhesive Foam is like 2-3 cm strips as in figure-1.

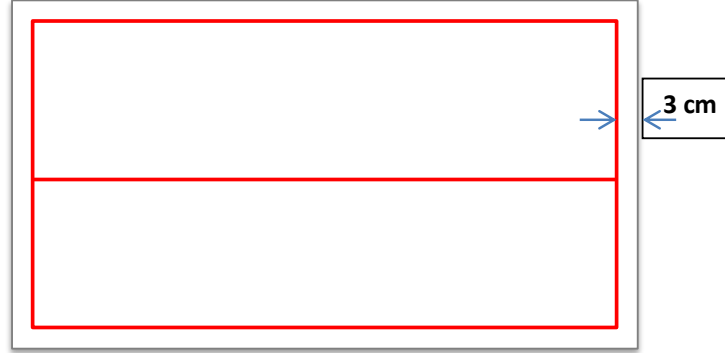


figure-1

- Fresh foam can be cleaned by Akfix Foam Cleaner. Cured foam can be cleaned barely mechanically.

5- PACKAGING

Product	Weight	Package
960C	900 gr	12

6- STORAGE AND SHELF LIFE

15 months if stored properly.

7- 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.
- Dried foam can be wiped out by mechanical force.
- Lower temperatures and lower humidity decrease 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. Use only in well-ventilated areas.
- Wear suitable protective clothing and gloves.
- 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

Gun Application:

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 21±3 Kg/ m ³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 6±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: pink	
Shear Strength	: 7,6 N/cm ²	
Yield	: 50-55 L	(ASTM C1536)
Metric Yield	: ≈ 14 m ²	
Expanding volume	: Minimum	
Shrinkage	: < %5	
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,030 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Temperature Resistance	: -40°C to +100°C	
Can Temperature	: min.5°C max. +30°C	
Application Temperature	: 0°C to +30°C	

The results were obtained by providing optimum environmental conditions.

Straw Application:

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 22±3 Kg/ m ³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 7±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Color	: Pink	
Shear Strength	: 8,3 N/cm ²	
Yield	: 45-50 L	(ASTM C1536)
Metric Yield	: ≈ 9 m ²	
Expanding volume	: 200-240%	
Shrinkage	: < %5	
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,035 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Temperature Resistance	: -40°C to +100°C	
Can Temperature	: min.5°C max. +30°C	
Application Temperature	: 0°C to +30°C	

The results were obtained by providing optimum environmental conditions.