

AMRO B1 FIRE RETARDANT PU FOAM

AMRO B1 FIRE RETARDANT PU FOAM is a one-component, self-expanding, ready-to-use, Multi-purpose Polyurethane foam. The foam will expand and cure by moisture in the air. It is used for a wide range of building applications. It is very good for filling and sealing with excellent mounting capacities, high thermal and acoustical insulation. It will stop burning when there is no fire contact. It is environmental friendly as it does not contains any CFC materials.

PRODUCT FEATURES

- Excellent adhesion to a wide variety of surfaces such as UPVC, masonry, brick, block work, glass, steel, aluminum, timber and other substrates (except PP, PE and Teflon);
- High thermal and acoustical insulation;
- Very good filling capacities;
- Conform to fire class B1 (DIN 4102)
- Application temperature between +5°C to +35°C;
- Optimal application temperature between +18°C to +30°C;
- Environmentally friendly. It contains CFC-free propellants which are harmless to the ozone layer.

APPLICATIONS AREAS

- Installing, fixing and insulating of door and window frames;
- Filling and sealing of gaps, joint, openings and cavities;
- Connecting of insulation materials and roof construction;
- Bonding and mounting;
- Insulating the electrical outlets and water pipes;
- Heat preservation, cold and sound insulation;
- Packaging purpose, wrap the precious & fragile commodity, shake-proof and anti-pressure.

APPLICATION INSTRUCTIONS

- Shake the aerosol can for at least 40 seconds;
- Clean and moisten surfaces with a water sprayer prior to application;
- Fit the gun or plastic applicator on the adapter.
- Firmly screw the can on the adapter and turn the flow adjustment screw; Fill the holes and cavities.
- Bottom up during application; Foam will be tack-free in about 10 minutes; Excess can be trimmed in about one hour;
- Fresh foam can be removed by using GNS Foam cleaner or acetone. Cured foam can only be removed mechanically.



SAFETY RECOMMENDATION

- Do not breathe spray/vapor; In case of eye contact, flush with water and get immediate medical attention;
- Use in well-ventilated areas;
- Wear suitable protective clothing, gloves and goggles;
- Keep away from direct sunlight and do not expose temperatures over 50°C;
- Do not burn or pierce even after use;
- Keep away from heat, sparks, flames and static electricity; Turn off sources of ignition (pilot light etc.);
- Keep out of the reach of children.

TYPICAL PROPERTIES

Base	Polyurethane
Consistency	Stable Foam
Curing System	Moisture-curing
Tack-Free Time (min)	7~8
Drying Time	Dust-free after 12-14 min.
Cutting Time (min)	50~60
Yield (L)	25
Shrink	None
Post Expansion	5%~10%
Cellular Structure	>84% close cells
Specific Gravity (kg/m ³)	20
Temperature Resistance	-50°C~+80°C
Application Temperature Range	+18°C~+30°C
Colour	White
Fire Class (DIN 4102)	B1
Insulation Factor (Mw/m.k)	0.041
Compressive Strength (kPa)	130
Tensile Strength (kPa)	170
Adhesive Strength(kPa)	135
Water Absorption (ML)	0.3~8(no epidermis) <0.1(with epidermis)

