

ADFOAM 1880-1

Straw grade polyurethane insulating foam

DESCRIPTION

ADFOAM 1880-1 is a one-component straw grade, self-expanding, ready to use polyurethane foam. It is used for insulation on windows and doors perimeters, or any other gaps that need to be filled. ADFOAM 1880-1 meets CAN/ULC S102 and ASTM E84 (UL R26654). It can be applied at temperature as low as -5°C.

PHYSICAL PROPERTIES

Test	Standard	Results
Base		Polyurethane Prepolymer
Color		Cream
Consistency		Stable foam thixotropic
Curing system		Moisture cure
Tack Free Time (1cm width)	ASTM C1620)	7 minutes (± 3)
Cutting time (1cm width)	ASTM C1620	30 – 45 minutes
Curing time		24 hours
Yield	ASTM C1536	30 – 45 liters
Specific Gravity	ASTM D1622	22 kg/m ³ (± 3)
Fire class of cured foam	DIN 4102-1	B3
Compression Strength	DIN 53421	0.03 MPa
Thermal conductivity	DIN 52612	0.036 W/m.k. (at 20°C/68°F)
Water absorption	DIN 53428	1% Vol (maximum)
Temperature resistance		-40°C (-40°F) to 80°C (176°F) when cured
Application Temperature		-5°C (22°F) to 30°C (86°F)
V.O.C.	SCAQMD rule 1168.	< 2 g/l

PRODUCT CHARACTERISTICS

- High yield and stability
- Adequate pressure at low temperatures
- Excellent adhesion on most materials
- Very good filling capacity
- High thermal and acoustical insulation value
- Resistant to moisture, heat, water, and many chemicals

APPLICATIONS

- Installing of window- and doorframes
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Mounting and sealing of window- and doorframes
- Connecting of insulation materials and roof constructions
- Application of a soundproofing layer on motors

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- Improving thermal isolation in cooling systems

SPECIFICATIONS

CAN/ULC S102 (When applied to inorganic-reinforced cement board)



Flame spread: 20

Smoke developed: 45

Applied in two 25 mm diameter beads 200 mm OC covering 11.1 percent of the exposed test sample area.

ASTM E84 (When applied to inorganic-reinforced cement board)



Flame spread: 10

Smoke developed: 20

*Tested as applied in two 12.7mm (0.5 inch) beads 203.2mm (8 inches) on O.C. covering 5.5% of the exposed test sample area.

DIRECTIONS FOR USE

All surfaces must be free of dust, oil, grease, frost, or any other contaminant. Clean all surfaces with ADSEAL CLEANER 500. Let evaporate 20 minutes prior to ADFOAM 1880-1 application. Shake the aerosol can for at least 30 seconds. Put the adapter (straw) on the can. Moisten surfaces with a water spray prior to application (only when temperature > 0°C). Remove pressure from the applicator to stop. During installation, doors and windows should be leveled, squared, and mechanically fastened to avoid distortion of the frame. Fill holes and cavities at 50% as the foam will expand. Repeat shaking regularly during application. If you must work in layers repeat moistening after each layer (only when temperature > 0°C). Fresh foam can be removed using ADFOAM CLEANER 500. Cured foam can only be removed mechanically. Cured foam may be trimmed or sanded. Cured foam must be protected from UVB radiation by painting or applying a top layer of sealant (silicone or hybrid sealant). Application temperature: -5°C (22°F) to 30°C (86°F).

PACKAGING

600ml / 20 oz or 750ml / 24 oz aerosol can (12 per box)

SHELF LIFE

15 months in unopened packaging in a cool and dry storage place at temperatures between 10°C (50°F) and 25°C (77°F). High humidity and storage below or above these temperatures will shorten shelf life. Always store and transport can with the valve pointed upwards.

HANDLING AND SAFETY

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Apply the usual industrial hygiene. Wear gloves and safety goggles. Remove cured foam by mechanical means only, never burn away. Consult the SDS (Safety Data Sheet) for more information. If you need additional information, do not hesitate to contact your technical representative. Always test product on your application prior to use. For industrial use only.

IMPORTANT

READ CAREFULLY

The information and recommendations contained herein are derived from our research and information from other reliable sources. This data applies only to our products and not when used with other products. We believe in the reliability of our information. However, no guarantee is offered to that effect. It is the responsibility of the buyer to verify this data according to their own operating conditions to ensure that they conform to the purpose for which the product is intended, even before using it.

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