

ADFOAM PRO 1875-1

Gun grade polyurethane insulating foam

DESCRIPTION

ADFOAM PRO 1875-1 is a one component, self-expanding, ready to use polyurethane foam. It is used for insulation on windows, doors, curtain wall perimeters or any other gaps that need to be filled. It adheres to most common construction materials and can also be used in plumbing and electrical applications. It does not contain any propellant gases that are harmful to the ozone layer.

SPECIFICATIONS

CAN/ULC S102 (when applied to the 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 samples area.

ASTM E84 (when applied to the inorganic-reinforced cement board)



Flame spread: 10

Smoke developed: 20

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



LIMITATIONS

- Storage above +30 °C (86 and below +5 °C shortens shelf life).
- Should be stored and transported in vertical position.
- Should be kept at 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 decrease yield and curing time.

PHYSICAL PROPERTIES

	Standard	U/M	Results
Base			Polyurethane
Color			Light yellow

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Consistency			Stable foam
Curing system			Moisture cure
Tack free time (1 cm width)	ASTM D1620	Minutes	6 (±2)
Cutting time (1 cm in width)	ASTM D1620	Minutes	20 to 45
Curing time		Hours	24
Yield for 750ml	ASTM C1356	Liters (in ³)	30 to 45 (1831 to 2746) of cured foam *
Specific Gravity	ASTM D1622	Kg/m ³	19 (±3)
Temperature resistance of cured foam		°C (°F)	-40 (-40) to 80 (176)
Application temperature		°C (°F)	-6 (21) to 30 (86)
Fire class of cured foam	DIN-4102-1		B3
Thermal conductivity	DIN 52612	W/m.K	0.036 @ 20°C (68°F)
Compression strength	DIN 53421	MPa	0.03
Water absorption	DIN 53429	%	1 par volume
V.O.C.		g/L	< 2

*Note that the yield will vary according to can and ambient temperature

PRODUCT CHARACTERISTICS

- Minimal expansion will not cause any distortion
- Excellent adhesion on most substrates (except PTFE, PE, and PP)
- High thermal and acoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post-expansion)
- Very precise application due to the foam gun system applications

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
- Improving thermal isolation in cooling systems

METHOD OF USE

All surfaces must be free of dust, oil, grease, frost, or any other contaminant. Clean all surfaces with ADFOAM CLEANER 500. Let evaporate 20 minutes prior to ADFOAM PRO 1875-1 application. Shake the aerosol can for at least 30 seconds. Fit the gun on the adapter. Moisten surfaces with a water spray prior to application [only when temperature >0°C (>32°F)]. During installation, doors and windows should be levelled, squared, and mechanically fastened to avoid distortion of the frame. Fill holes and cavities at 65% as the foam will expand. The size of a foam bead should be between 1/8 and 3 inches. Repeat shaking regularly during the application. If you must work in layers repeat moistening after each layer [only when temperature >0°C (>32°F)]. Fresh foam can be removed using ADFOAM CLEANER 500. Cured foam can only be removed mechanically. For later utilization, when there is still some foam inside the can, keep the can screwed on the gun. 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: -6°C (21°F) to 30°C (86°F).

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

STORAGE AND SHELF LIFE

Fifteen 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

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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