

## ADFOAM PRO 1875

### Low expansion polyurethane foam for doors, windows and curtain walls

#### DESCRIPTION

ADFOAM PRO 1875 is a one-component, self-expanding, ready to use polyurethane foam. It is used for insulation on windows, doors, curtain wall perimeters or any others gaps that need to be filled. ADFOAM PRO 1875 meets CAN/ULC S102 and ASTM E84 (UL R26654). It contains CFC-free propellants, which are completely harmless to the ozone layer. ADFOAM PRO 1875 reaches R5 (thermal resistance) per square inch insulation rate. It adheres to most common construction materials and can also be used in plumbing and electrical applications.

#### PHYSICAL PROPERTIES

Base	Polyurethane
Color	Champagne
Consistency	Stable foam
Curing system	Moisture cure
Skin time [20°C (68°F) / 65% H.R.]	± 8 minutes
Drying time [20°C (68°F) / 65% H.R.]	Dust free after 20-25 minutes
Curing time [20°C (68°F) / 65% H.R.]	1 hour ( 30mm diameter )
Yield	1000 ml yields 35-40 l (cured foam )
Skrinkage	None
Post-expansion	None
Cellular structure	70-80% closed cells
Relative density (ASTM D2856)	17 kg/m <sup>3</sup> (when fully cured)
Temperature resistance	-40°C (-40°F) to 90°C (194°F) when cured
Fire class (DIN 4102 partie 2)	B3
Insulation factor	32 mW/m.K
Shear strength (DIN 53427)	17 N/cm <sup>2</sup>
Pressure strength (DIN 53421)	3 N/cm <sup>2</sup>
Bowing strength (DIN 53423)	7 N/cm <sup>2</sup>
Water absorption (DIN 53429)	1% Vol
Acoustic value	Rst,w = 58 dB
V.O.C.	189 g/L

#### 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

**ADFOAM PRO 1875****Low expansion polyurethane foam for doors, windows and curtain walls****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

**SPECIFICATIONS****CAN/ULC S102**

UL approved No. R26654

Caulking and sealants surface burning characteristics 19HU applied to inorganic reinforced cement board.

Flame spread: 30

Smoke developed: 50

\*Tested as applied in two 25.4mm diameter beads 203.2mm on center covering 11.1% of the exposed test sample area.

**ASTM E84 (USA)**

UL approved No. R26654

Caulking and sealants surface burning characteristics 19HU applied to inorganic reinforced cement board.

Flame spread: 15

Smoke developed: 35

\*Tested as applied in two 1 inch beads 8 inches on center covering 11.1% of the exposed test sample area

**ADFOAM PRO 1875****Low expansion polyurethane foam for doors, windows and curtain walls****DIRECTIONS FOR 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 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). 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 application. If you have to work in layers repeat moistening after each layer (only when temperature > 0°C). Fresh foam can be removed using ADFOAM CLEANER 500 gun cleaner. 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: -5°C (23°F) to 35°C (95°F).

**YIELD**

For a bead 20mm (3/4 inch) x 50mm (2 inches) = 23.7 meters (600ml can)

**PACKAGING**

Aerosol can be packaged in 600 ml and 750 mL cans

**SHELF LIFE**

12 months in unopened packaging in a cool and dry storage place at temperatures between 5°C (41°F) and 25°C (77°F). Always store can with the valve pointed upwards.

**HANDELING AND SAFETY**

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

**ADFOAM PRO 1875****Low expansion polyurethane foam for doors, windows and curtain walls****IMPORTANT****READ CAREFULLY**

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