

## ADFOAM DW 1885 Gun grade polyurethane insulating foam -5°C

### DESCRIPTION

ADFOAM DW 1885 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 DW 1885 meets CAN/ULC S102 and ASTM E84 (UL R26654). It contains CFC-free propellants, which are completely harmless to the ozone layer. ADFOAM DW 1885 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

Tests	Standards	Results
Base		Polyurethane
Color		Blue
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)
Srinkage		None
Post-expansion		None
Cellular structure		70-80% closed cells
Relative density	ASTM D2856	25 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	B2
Insulation factor		31 mW/m.K
Shear strength	DIN 53427	12 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		R <sub>st,w</sub> = 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

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#### 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



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

Flame spread: 30

Smoke developed: 50

\*Tested as applied in two 25.4mm (1 inch) diameter beads 203.2mm (8 inches) on center covering 11.1% of the exposed test sample area.

##### ASTM E84



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

Flame spread: 15

Smoke developed: 35

\*Tested as applied in two 25.4mm (1 inch) beads 203.2mm (8 inches) on center covering 11.1% 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 ADFOAM CLEANER 500. Let evaporate 20 minutes prior to ADFOAM DW 1885 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 leveled, 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 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: -5°C (23°F) to 35°C (95°F).

**ADFOAM DW 1885**  
**Gun grade polyurethane insulating foam -5°C****YIELD**

For a bead 20mm (3/4 inch) x 50mm (2 inches) = 35.1 meters

**PACKAGING**

750ml (26 oz) aerosol can (12 per box)

**SHELF LIFE**

12 months from date of production, 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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