

ADFOAM GAPS & CRACKS 1840

Straw grade triple expansion polyurethane insulating foam -5°C

DESCRIPTION

ADFOAM GAPS & CRACKS 1840 is a straw-grade polyurethane foam that reacts to ambient humidity. ADFOAM GAPS & CRACKS 1840 fills and seals cracks, voids and holes, eliminates drafts and insulates with a factor of R-5 per square inch. It adheres to most building surfaces. ADFOAM GAPS & CRACKS 1840 is used for electrical and construction plumbing applications. This foam meets CAN / ULC S102 and ASTM E84 standards (UL R26654).

PHYSICAL PROPERTIES

Base	Polyurethane
Color	Champagne
Consistency	Stable foam thixotropic
Curing system	Moisture cure
Skin time (20°C (68°F) /65% R.H.)	± 8 minutes
Drying time (20°C (68°F) /65% R.H.)	Dust free after 20-25 minutes
Curing time (20°C (68°F) / 65% H.R.)	30 minutes for a 30mm diameter
Yield	500ml = 20 liters of cured foam
Skrinkage	None
Post-expansion	None
Cellular structure	70-80% closed cells
Relative density	25 kg/m ³ (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	35 mW/m.K
Shear strength (DIN 53427)	5 N/cm ²
Pressure strength (DIN 53421)	2 N/cm ²
Bowing strength (DIN 53423)	7 N/cm ²
Water absorption (DIN 53429)	1% Vol
Acoustic rating	Rst,w = 58dB
V.O.C.	235 g/L

PRODUCT CHARACTERISTICS

- 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)

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APPLICATIONS

- Filling of cavities (roof, plumbing and electricity)
- 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 19HU 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 19HU applied to inorganic reinforced cement board.

Flame spread: 15

Smoke developed: 35

*Tested as applied in two 25.4mm (1inch) 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 ADSEAL CLEANER 500. Let evaporate 20 minutes prior to ADFOAM GAPS & CRACKS 1840 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). The aerosol can be used in all directions. Remove pressure

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from the applicator to stop. 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 (23°F) to 35°C (95°F).

PACKAGING

500ml aerosol can (12 per box)

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.

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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