ODICE FIREFOAM 1C B2

1-component fire rated Polyurethane Foam

Product Description
ODICE FIREFOAM 1 C B 2 with CFC-free propellant is a one-component, self-expanding, ready to use polyurethane foam with propellants which are completely harmless to the ozone layer.

Features
- excellent adhesion on most materials (except PE/PP)
- high thermal and acoustic insulation
- very good filling capacities
- excellent mounting capacities
- excellent stability (no shrink or postexpansion)

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
- filling of cavities around pipes
- connecting of insulation materials and roof constructions
- application of a soundproofing layer on motors
- improving thermal isolation in cooling systems

Application Method: aerosol can, shake thoroughly before application
Application Temperature: -5°C until + 30°C
Clean with: Foam cleaner before curing
Repair with: ODICE FIREFOAM 1 C B 2

Surfaces
- Substrate: all substrates except PE, PP
- State of Surface: clean, free of dust and grease
- Preparation: moistening of the surfaces improves adhesion, curing and cellular structure

Technical Data
- Base: Polyurethane
- Consistency: Stable Foam
- Curing System: Moisture Cure
- Skin Formation: 8 min at 20°C/60% R.H
- Drying Time: dust-free after 20-25 min at 20°C
- Curing Rate: 3 hours for a bead of 3 cm at 20°C/65% r.h.
- Foam Yield: 1 liter yields ca 45 l cured foam
- Shrinkage: none
- Post expansion: none
- Cellular Structure: ca 70-80 % closed cells
- Specific Gravity: ca 25 kg/m³ (extruded)
- Temperature Resistance: -40°C until +90°C (cured)
- Character of Foam: thixotropic
- Fire Class: B 2 (DIN 4102 part 2), E (EN-13501-1)
Insulation Factor: 33 mW/meter Kelvin
Shear strength: > 17 N/cm² - DIN 53427
Pressure strength: > 4 N/cm² - DIN 53421
Bowing strength: > 7 N/cm² - DIN 53423
Water absorption: 1% Vol. (DIN 53429)

Packaging and Colours
Colours: Champagne
Packaging: Aerosol can of 750 ml net
Fire reaction: B 2 following DIN 4102 part 2

Shelf life
12 months in an unopened packaging in a dry and cool storage place

Transport Information
Road: ADR: 2.5a RandN° 2210
Maritime: IMDG: Class 2, aerosol
Air: ICAO/IATA-DGR: aerosol, Pkg Grp III
UN Number: 1950

Labelling
Symbol: Xn-harmful, F-easily inflammable
R-Sentences: 20, 42 36/37/38
S-Sentences: 26, 28, 38, 45
contains: Difenylmethane - 4,4' diisocyanate
others: Contains Isocyanates. See instructions of the manufacturer. Recipient under pressure. Protect from direct sunlight and do not expose to temperatures above 50°C. Do not pierce or burn after use. Do not extrude towards open fire or hot surfaces. Keep away from ignition sources - do not smoke. Keep out of reach of children. When application is unsufficiently ventilated an explosive air-vapour mixture can be formed.

Safety Measures
Apply the usual industrial hygiene.
Wear gloves and safety goggles
Remove cured foam by mechanical means only, never use a burner!

Remarks
Do not touch the surface during the curing time at frost temperatures.
Always moisten surfaces before application in order to improve curing and cellular structure
Cured PU Foam must be protected from UV radiation by painting or by applying a top layer of sealants (silicone sealant).

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only.
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ODICE S.A.S. Passive Fire Protection
ZAE Les Dix Muids Rue Lavoisier, 59770 Marly, France
Tél : + 33.(0)3.27.19.32.32.
Fax : + 33.(0)3.27.21.06.26.
E-mail : info@odice.com
Internet : www.odice.com