



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 acoustical 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 : dustfree 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/cm ² - DIN 53427
Pressure strength :	> 4 N/cm ² - DIN 53421
Bowing strength:	> 7 N/cm ² - 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 insufficiently 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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