Technical Data Sheet



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 thermical 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 thermical 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 :PolyurethaneConsistency :Stable FoamCuring 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

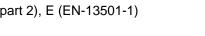
Cellular Structure: ca 70-80 % closed cells

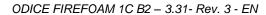
Specific Gravity: ca 25 kg/m³ (extruded)

Temperature Resistance: -40°C until +90°C (cured)

Character of Foam : thixotropic

Fire Class: B 2 (DIN 4102 part 2), E (EN-13501-1)





ODICE FIREFOAM 1C B2



 $\begin{array}{lll} \textbf{Insulation Factor:} & 33 \text{ mW/meter Kelvin} \\ \textbf{Shear strength:} & > 17 \text{ N/cm}^2 - \text{DIN } 53427 \\ \textbf{Pressure strength:} & > 4 \text{ N/cm}^2 - \text{DIN } 53421 \\ \textbf{Bowing strength:} & > 7 \text{ N/cm}^2 - \text{DIN } 53423 \\ \textbf{Water absorbtion:} & 1\% \text{ Vol. } (\text{DIN } 53429) \\ \end{array}$

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.

Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by ODICE hereunder are given free of charge and ODICE assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.



ODICE S.A.S. Passive Fire Protection

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