FCSC PU FOAM FRT

FIRE RETARDANT PU FOAM

Description

One Component Low-Expansion Modified Polyurethane Foam with low flame spread characteristic for fire zones.

Features & Benefits

- FCSC PU FOAM FRT is a polyurethane foam designed specifically for filling, insulating, and mounting between zones where higher flame resistance is required.
- The foam is modified and has low flame spread characteristics.
- Hardens with air humidity.
- Hardening time is 1.5 – 5 hours, 5 – 10 minutes after application, it is no longer sticky to the touch.
- It adheres well to all construction materials, including wood, concrete, gas concrete, brick, metal, glass, and aluminum.
- After application, it expands to 2–3 times its volume.
- Hardened foam ensures a strong joint and excellent insulation.
- After completing the work, it is necessary to protect the foam from UV light.
- To be applied using a mounting adapter with a

Advantages

- lower consumption due to more accurate dosing
- easier handling and work
- no leakage or dripping from the gun nozzle
- less cleaning
- quick can replacement
- faster completion of works

Standard Compliance

DIN 4102-1 B1
EN 13501-2 EI 240
BS 476, part 20
GEV-EMICODE EC 1 PLUS (very low emission)

Packaging

.
750 ml aerosol can
other packing methods are available upon request

Technical Data

Volume (FEICA OCF TM 1003)	33–38 l (freely foamed) (750 ml)
Foam density (FEICA OCF TM 1019)	22–26 kg/m³
Tack free time (FEICA OCF TM 1014)	5–10 min.
Cutting time (FEICA OCF TM 1005)	20–25 min.
Hardening time	1,5–5 hours, depending on temperature and humidity
Temperature resistance	-40°C to +90°C
Dimensional stability (FEICA OCF TM 1004)	max. ± 5 %
Water absorption (DIN 53428)	max. 1 vol.%
Compressive strength (FEICA OCF TM 1011)	0.04–0.05 MPa
Tensile strength (FEICA OCF TM 1018)	0.12–0.14 MPa
Elongation at break (FEICA OCF TM 1018)	15–20%
Thermal conductivity (DIN 52612)	0.039 W/(m K) at 20°C
Flammability class (DIN 4102-1, EN 13501-2 EI 240, BS 476, part 20)	B1

Application Methodology

Filling, insulating and mounting between zones where higher flame resistance is required (electrical installations, penetrations, fire doors, vaults).

Usage Instruction:

Shake the can thoroughly before using it with the valve facing down. Then remove the protective cover, tighten the nozzle with the tube, turn the can upside down and start applying the foam by pressing the valve. Always work with the can vertically and the valve pointing downwards for maximum efficiency. After the work is interrupted, clean the tube and valve with the FCSC PU FOAM CLEANER. Hardened foam can be removed from the can and surfaces only mechanically. Clean and moisten the surface thoroughly before application

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The can temperature during use should be between 20 and 25°C. Sound insulation: 58 dB. Flammability: B1 / EI 240. (DIN 4102, Part 1) Attestation No.: 150740 MPA HANNOVER. (BS 476, part 20) Attestation No.: 364023 Exova Warringtonfire, (EN 13501-2) Attestation No.: KB 3.2/16-129-9 MFPA Leipzig GmbH.

Storage & Shelf life

18 months (from +5°C to +25°C), even at lower temperatures (e.g., transport) for shorter periods.

Higher temperatures shorten storage life. Store cans in an upright position.

Safety Precautions

Additional safety information, safe handling instructions, information on personal protective equipment, and disposal information can be found in the safety data sheet. Safety data sheet available on request. You can also obtain a copy from your FCSC sales representative.

Fire

FCSC PU FOAM FRT is non-flammable.

Note:
Firstchoice Speciality Chemicals (FCSC) goods are sold pursuant to its regular terms and conditions of sale, copies of which can be acquired upon request, and are guaranteed against defective materials and manufacturing. While FCSC makes every effort to ensure that any recommendations, guidance, or specifications or information it may provide is true and accurate, it cannot accept any liability, either directly or indirectly, resulting from the use of its products, whether or not it complied with any advice, specification, recommendation, or information it provided, as it lacks direct or ongoing control over where or how its products are applied.

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