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BCF 750 FIRE MAN

Code: 750221

TECHICAL DATA SHEET

Update – 04/2021

FIRE-RESISTANCE POLYURETHANE FOAM REACTION CLASS B1 - FIRE RESISTANCE EI240 THERMAL AND ACOUSTIC INSULATION

CHARACTERISTICS

BCF 750 FIRE MAN is a one-component, manual polyurethane red foam with B1 (DIN 4102) fire reaction class and EI240 fire resistance (EN13501-2).
Suitable for all those applications where fire resistance is needed in addition to the normal need for thermal and acoustic insulation.
Ideal for applications such as: sealing of pipes or cables passing through walls, fire doors, windows and even filling of cavities.
The product has excellent adhesion to surfaces such as concrete, masonry, wood, aluminum and metals.
The product does not adhere to materials such as silicone, polyethylene, Teflon and polypropylene.
The foam hardens thanks to moisture, and after hardening can be easily cut.
It does not contain CFC or H-CFC.

PROPERTIES

Base	Polyurethane
Application	Insulation and filling of voids with fire resistance
Colour	Red
Reaction class to fire DIN 4102	B1
Density	22 kg/m^3
Service temperature range	-40°C ÷ +90°C (+110°C short time)
Yield	35-42 L
Application temperature	+10°C ÷ +30°C
Tack free time	10 min. (24°C – 50% UR)
Cutting time	60 min. (24°C ÷ 50% UR)
Hardening time	50 ÷150 min. (joint 30 mm) (as a function of humidity and temperature)
Deep hardening time	24 hours (joint 30 mm) (as a function of humidity and temperature)
Thermal Conductivity	0,036 W/mK
Post-expansion	180-210%
Storage conditions	Can vertical in a cool, dry place (See product label for more information)
Storage temperature	+5°C ÷ +30°C
Expire Time	12 months
VOC French Classification	ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

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VERTICAL JOINTS		
Wall thickness G [mm]	**Joint thickness W [mm]]**	**Fire resistance class**
150	10	EI 180
	from 11 to 20	EI 90
	from 21 to 30	EI 60
200	10	EI 180
	from 11 to 20	EI 120
	from 21 to 30	EI 90
240	10	EI 240
	from 11 to 20	EI 240
	from 21 to 30	EI 90

2.2.1. Type 1 – vertical linear joint seals in vertical supporting construction

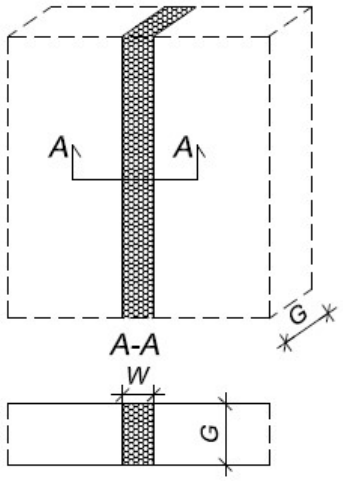

Fig. 1 View and cross-section of the vertical linear joint seal in wall

HORIZONTAL JOINTS		
Wall thickness G [mm]	**Joint thickness W [mm]]**	**Fire resistance class**
150	10	EI 120
	from 11 to 20	EI 60
	from 21 to 30	EI 30
200	10	EI 180
	from 11 to 20	EI 60
	from 21 to 30	EI 60
240	10	EI 240
	from 11 to 20	EI 90
	from 21 to 30	EI 90

2.2.2. Type 2 – horizontal linear joint seals in vertical supporting construction

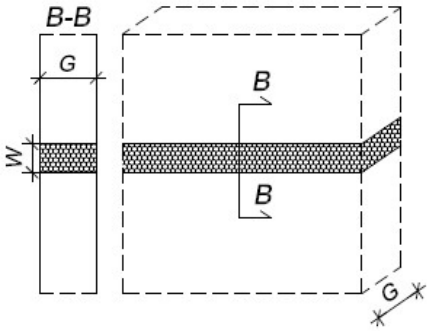

Fig. 2 View and cross-section of the horizontal linear joint seal in wall

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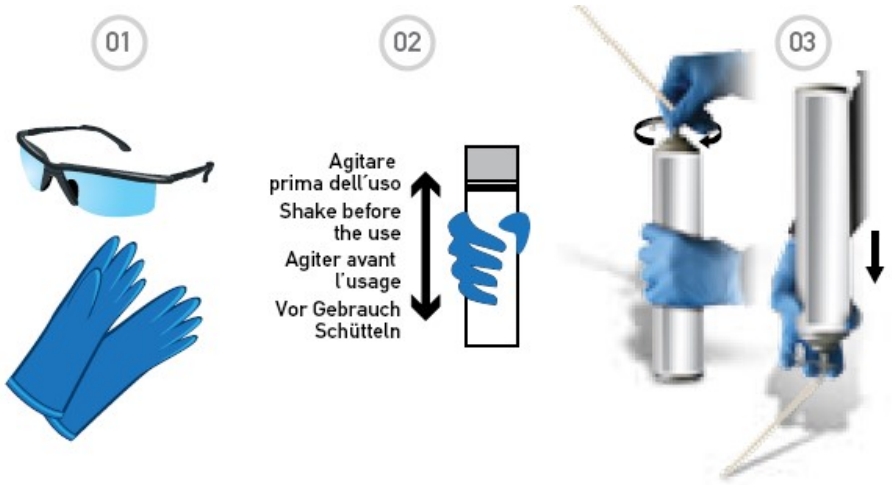
APPLICATION

The surface where BCF 750 FIRE MAN foam should be applied must be rigid, straight, clean, free of oil, grease, dirt and elements that break off. In case of very irregular surfaces, level the surface with mortar.
IMPORTANT: It is not necessary to humidify the surfaces when the product is used as an adhesive.
Minimum foam temperature for application + 10 ° C (ideal 20 ° C).
Shake the bottle vigorously before use. Use protective goggles and special gloves during use.
Screw the dispenser attack of the cylinder.
Measure carefully the product. Create cordons with maximum diameter of 3/4 cm.



The fresh product can be removed with a special cleaner BCF SOLVENT.
The excess hardened product can be removed mechanically by cutting

WARNINGS

Please read the safety data sheet. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C. Do not pierce or burn, even after use. Do not spray on a flame or any incandescent material. Avoid direct inhalation and spray into the eyes. Keep out of reach of children. Keep away from sources of ignition. Not smoking. Store protected from any source of combustion. Do not breathe gas, fumes, aerosol fumes. Use only in well-ventilated areas.
In case of work stoppage clean the gun with a special cleaner BCF SOLVENT. Screw the gun to the cylinder and leave it mounted. Use in a short period.
Our technical standards are based on reliable tests and practical experience to advise and serve in the best way.
The information and data contained in this sheet is considered reliable, but not binding in any way our liability.
It is therefore recommended to carry out tests on their own to ensure that the product meets the needs of your choice.
Furthermore, we refer to our conditions of use. We accept no responsibility for the misuse of the product.
The technical details may be subject to revisions. To verify the validity, contact our Technical Department.