

AF GRAPHIT FOAM



Two-component fire-resistant polyurethane foam

DESCRIPTION

AF GRAPHIT FOAM is a two-component polyurethane foam with graphite added and certified under EN 1366-3 for EI 180 protection of mechanical and electrical system penetrations in walls and floors.

Using graphite, the foam expands during application and heat during a fire. This property makes the product versatile and suitable for combustible material penetrations, which would be destroyed during a fire.

The special cartridge, with the help of a spray gun, allows the simultaneous extrusion of the two components and their mixing inside the application nozzle.

AF GRAPHIT FOAM is a simple and flexible solution, ideal for openings with several pass-through close elements.

DIRECT APPLICATION

Electrical cables and corrugated pipes in a cable tray
Combustible pipes
Multilayer pipes including bundles

Insulated and uninsulated metal pipes
Mixed penetrations

FEATURES

Cartridge capacity:	330ml
Colour:	dark brown
Reaction time:	about 10 sec
Drying time:	about 30 sec
Ready to cut:	Approx. 1 min
Increase in volume at 20 °C	3-5 times (free expansion)
Yield:	1000-1700ml approx.
Storage temperature:	5-35 °C
Application temperature:	10-35 °C

PACKAGING AND STORAGE

Pack of 1 x 330ml cartridge equipped with a dispenser/mixer
Under normal conditions (5-35°C) the product remains intact for 12 months

APPLICATION METHOD

1. screw the mixer onto the cartridge and insert the cartridge into the spray gun;
2. apply AF GRAPHIT FOAM starting from the furthest point, without immersing the mixing nozzle in the extruded product;
3. fill the opening, reaching a minimum depth of 120 mm;
4. avoid interrupting extrusion for more than five seconds to prevent sudden hardening of the material in the mixer;
5. when hardened, remove the overflowing edges with a cutter.

Spray gun

We recommend using the manual gun to apply the necessary force during the extrusion process. Using manual applied force the spray gun provides a quick and easy release of the mixed bicomponent product.

SPECIFICATION

Supply and application of intumescent semi-rigid foam AF GRAPHIT FOAM, made of two-component intumescent polyurethane polymer with free expansion of 3-5 times its original volume, contained in a 330 ml two-wire cartridge. The system is certified for EI 120/180 protection of wall and floor system penetrations.

CERTIFICATIONS

Class EI 180 (UNI EN 1366-3)	<i>rigid floor</i>	Class EI 120 (UNI EN 1366-3)	<i>Xlam wall</i>
Class EI 120 (UNI EN 1366-3)	<i>plasterboard wall</i>		

