



TECNOGRAPHIT

Technical information

TECNOGRAPHIT is Marvon's bicomponent polyurethane foam with graphite designed and developed to ensure fire resistance up to EI 180 of penetration seals on wall and floor according to EN 1366-3.

TECNOGRAPHIT is applied with a particular gun that mixes the two components through a special application nozzle. Once hardened, it can be cut using a cutter or other tools.

When exposed to fire, it expands at 150°C further increasing its volume thanks to the presence of graphite.

Application field

TECNOGRAPHIT can be used on:

- Flexible wall (plasterboard).
- Rigid wall (masonry, concrete or aerated concrete).
- Rigid floor (concrete or aerated concrete).

It has a fire resistance up to EI 180 classified according to EN 13501-2 for:

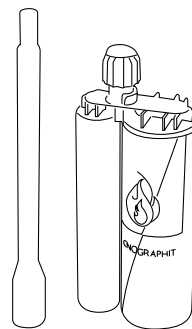
- Combustible pipes (PVC-U, PVC).
- Insulated multilayer pipes.
- Insulated incombustible pipes (copper or steel).
- Cable trays and corrugated pipes.
- Empty holes.

N.B. The foam is used in case of penetration of mixed services.

Technical data

Fire resistance	Up to EI 180
Fire reaction	Performance not assessed
Characteristics	Bicomponent polyurethane foam with graphite
Weight	550 g/pcs
Expansion ratio	1:3/5 (free expansion)
Increase of volume	Ca 1.1 - 1.6 dm ³ (l)
Installation temperature	10°C - 35°C
Reaction time	Ca 10 sec.
Drying time	Ca 30 sec.
Cutting possibility	Ca 1 min.
Colour	Black
Storage	12 months (under normal conditions)

Dimensions



COD.	Description	ml
MA0TF505014	TECNOGRAPHIT	330
MA0TF500400	Application nozzle for TECNOGRAPHIT	-
MA0TF505031	Spray gun for TECNOGRAPHIT	-

Packaging

- 330 ml cartridges in cardboard boxes with 5 items.

Standard rules

- Test Standard: EN 1366-3.
- Fire Classification Standard: EN 13501-2.

Certifications

Classification Reports:

- I.G. 340264/3836FR - floor - penetration seal M.
- I.G. 357003/3959FR - wall - penetration seal L.
- I.G. 361718/3981FR - wall - infill F.

Specification

Supply and installation of bicomponent polyurethane foam with graphite TECHNOGRAPHIT, certified in accordance to EN 1366-3 for fire protection up to EI 180 of combustible pipes, multilayer pipes, incombustible pipes, cable trays, corrugated pipes, mixed services and empty holes on wall and floor.

The foam must be applied with the appropriate gun and application nozzle, through full wall depth.

For different applications please refer to Classification Reports I.G. 340264/3836FR, I.G. 357003/3959FR and I.G. 361718/3981FR.

330 ml cartridges.

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