

Fernobox Plate®

Intumescent plate for fire resistance of socket boxes

TDS Fernoplate 2305EN

Bloem Fernoplate is a self-adhesive intumescent plate used to reinstate the fire resistance performance of walls after installing socket boxes. When Fernoplate comes into contact with fire, it swells, filling the open space in the socket box and preventing fire from passing through the wall up to 120 minutes.



Properties

- Prevents damage from fire for up to 120 minutes (EI120)
- Suitable for insulated and non-insulated walls
- Easy and quick to apply
- Suitable for both renovation and new construction projects
- Tested with various sizes and a wide range of cables, installation pipes, and interconnected boxes
- Tested with empty boxes and installation pipes for future electrical installations
- A cost-effective solution to make non-fire-resistant built-in boxes fire-resistant: no need to buy new special fire-resistant built-in boxes
- Shelf life is unlimited between +5 and +30°C
- No emissions and environmentally friendly.

Applications

- Electrical socket boxes, outlets and switches
- Insulated and non-insulated walls
- Applicable on both sides of walls

Installation

- Socket boxes should be installed according to the manufacturer's instructions. The aperture around the socket box should be as tight as possible. Any gaps can be filled with plaster or FernoCryl.
- Substrates should be clean, free from dust, oil and grease. Loose particles should be removed beforehand.
- Remove the protective layer from the back of the plate.
- Place the Fernobox Plate inside at the base of the socket box.

Testing / Certificates

- Tested according to NEN 6069 and EU standard EN 1366-3, ETA 23/0015
- Certified according to EAD 350454-00-1104
- CE marking

Technical data

Description	Intumescent graphite plate
Classification	Up to EI120*
Expansion time	2 minutes
Expansion rate	up to 17 times
Expansion pressure	65N
Thickness	Approx. 3,8mm
Service life	50 years, under normal use

*For achieved fire resistance per application, see test report (ETA 23/0015)

Supporting constructions

- Flexible walls must have a minimum thickness of 75 mm and comprise steel studs or timber studs* lined on both faces with minimum 1 layer of 12.5 mm thick board.
- The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

*no part of the penetration seal may be closer than 100 mm to a stud, the cavity must be closed between the penetration seal and the stud, and minimum 100 mm of insulation of class A1 or A2 according to EN 13501-1 must be provided within the cavity between the penetration seal and the stud.

Packaging

45x45mm, 10 plates per box.

Colour

Grey

Storage and shelf life

Store in a cool and dry place between +5°C and +30°C.

Transportation classification

Not applicable; no special measures are required.

Limitations

Fernobox Plate should not be used in oily applications, this deteriorates the adhesive strength of the adhesive layer. Fernobox Plate is not suitable for applications which are permanently wet.