

Fernopatch®

Self-adhesive patch to reinstate fire resistance performance

TDS Fernopatch 2310EN

Bloem Fernopatch have been developed to maintain the acoustic and fire-resistant properties at the location of a wall socket in a fire-resistant wall. The Fernopatch is a pre-cut putty which is self-adhesive and can be reshaped if necessary. Fernopatch prevents the passage of fire and smoke for periods up to 120 minutes.



Properties

- Prevents damage as a result of fire up to 120 minutes EI120
- Stops both cold and hot smoke
- Easy and quick to install without tools
- Can be reshaped if necessary
- Suitable for flexible walls with a minimum thickness of 100mm
- Available for single and double sockets
- Provides a high sound isolation
- No oil migration, Fernopatch remains flexible over time
- Maintenance free
- No emissions, environmentally friendly

Applications

Electrical back boxes for sockets and switches

Installation

- Fernopatch is self-adhesive and can be applied inside the socket
- Bonding surfaces should be clean, dry and dust-free
- Remove protective film
- Apply Fernopatch to the substrate, press firmly and cut off excess material
- Residual material can be reused

Testing / Certification

- Tested according to NEN 6069 and EU standard EN1366-3
- Certified to EAD 350454-00-1104
- Air Permeability testing to EN1026 to 1000Pa
- Indoor Air Comfort Gold, Emicode EC1-Plus, VOC A+ Regulation, BREEAM, LEED v4

Technical data

Description:	Silicon based putty
Classification:	Tot E120, EI120*
Service temperature:	-20°C to +100°C
Density:	1.58 kg/l
Sound isolation:	Single side of wall 70 dB Dubbel side of wall 67dB
Service life:	50 years under normal conditions

* For achieved fire resistance per application, see test report (ETA 23/0014)

Packaging

Single sockets 170x170mm, 20 pieces per box
Double sockets 230x170mm, 20 pieces per box

Colour

Red

Storage and shelf life

Store in a cool and dry place between +5°C and +25°C.

Supporting constructions

- Flexible walls must have a minimum thickness of 100 mm and comprise steel studs or timber studs* lined on both faces with minimum 2 layers of 12.5 mm thick boards.
- Rigid walls must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry with a minimum density of 650 kg/m³.
- Rigid floors must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m³.
- The supporting construction must be classified in accordance with EN 13501-2 for the required fire

*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 resistance period.

Transportation classification

Not applicable; no special measures are required.

