

FIRESAFE FT Seal Pad

GENERAL

FIRESAFE FT Seal Pad is used in plastic electrical wall boxes and ceiling boxes fitted in fire-rated walls and ceilings of flexible constructions to satisfy fire-resistance class EI 60 – EI 180.

FIRESAFE FT Seal Pad is a product designed specifically for standard plastic wall boxes or ceiling boxes. The product can easily be fitted inside the plastic box without any need for tools, as FIRESAFE FT Seal Pad has self-adhesive tape on the back.

FIRESAFE FT Seal Pad consists of an intumescent graphite material that rapidly expands at a temperature of approx. 200 °C to 10 times its original size, sealing the plastic box in the event of fire. The product's dimensions are 50 mm × 50 mm × 6 mm, therefore taking up very little space within an electrical wall box or ceiling box.

FIRESAFE FT Seal Pad has been tested in accordance with ETAG 026 Part 2 and is ETA-16/0093 certified; the following fire resistance and characteristics are classified in these standards.

AREAS OF APPLICATION

FIRESAFE FT Seal Pad may be used in the following construction elements:

Construction element ¹⁾	
Fire-rated walls in accordance with EN 1363-1	Standard flexible walls ≥ 100 mm: Double walls/cavity walls must be insulated; the wall box must be connected with cables.
Fire-rated slabs/ceilings in accordance with EN 1363-1	Standard flexible ceilings ≥ 150 mm: Insulation in the slab is not required.
¹⁾ the load-bearing construction must be classified in accordance with EN 13501-2 for the entire necessary fire resistance period	

The product has been tested for indoor use, class Z₂.

For further product characteristics, please see the accompanying installation instructions and declaration of performance (DoP), both of which can be downloaded from www.firesafe.no.



Figure 1
FIRESAFE FT Seal Pad.

Size:
(width × width × thickness)
50 mm × 50 mm × 6 mm

FIRESAFE FT Seal Pad

FIRE RESISTANCE CLASS

Resistance to fire	Configuration *		
Areas of application in accordance with EN 13501-2 / 1366-3	Plastic wall boxes and ceiling boxes. The boxes <u>must be connected with cables</u> .		
	Wall box	Ceiling box	No. of FT Seal Pads
EI 60: single wall box	On 1 side	-	1 pad
EI 60: max. 5 wall boxes in a row	On 1 side, linked together	-	1 to 5 pads
EI 90: double wall box	On 2 sides, back to back	-	2 × 2 pads
EI 120: single wall box	On 2 sides, back to back	-	2 × 1 pad
EI 180: single ceiling box	-	On underside	1 pad
EI 60: single wall box, size 1.5	On 1 side		1 pad
* principal configuration			

INSTALLATION

IMPORTANT	The product must be used in accordance with the declaration of performance (DoP No.: FIR/KWD/PAD-09-05-2016) and the accompanying installation instructions
EQUIPMENT	NONE
Preparation of the surface	<ul style="list-style-type: none"> - Ensure that the wall box or ceiling box is adequately anchored to the construction element on both sides. - Ensure that the wall box or ceiling box is connected with cables. FIRESAFE FT Seal Pad cannot be used on empty wall boxes or ceiling boxes. - The wall box or ceiling box must be clean, dry and free of dirt or grease; remove any dust or dirt. - If the surface is uneven or has small cracks, first seal with FIRESAFE FT Acrylic joint sealant or FIRESAFE FT Paste.
Installation	<ul style="list-style-type: none"> - Use 1 FIRESAFE FT Seal Pad for each wall box or ceiling box, on both sides. Remove the protective film and firmly place the FIRESAFE FT Seal Pad <u>inside</u> the wall box or ceiling box, in the back of the box. - If necessary, use smoke sealant (FIRESAFE FT Acrylic joint sealant or FIRESAFE FT Paste) around the wall box or ceiling box.
Finishing and maintenance	<ul style="list-style-type: none"> - None. - To achieve a seamless installation, use smoke sealant (FIRESAFE FT Acrylic joint sealant or FIRESAFE FT Paste) around the wall box or ceiling box. - Routine inspections of damage and repairs ensure good fire safety management.

Please see the separate installation instructions for FIRESAFE FT Seal Pad for further installation specifications.



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FIRESAFE FT Seal Pad

TECHNICAL DATA

Material	Ready-cut, self-adhesive pad with heat-reactive components; intumescent.
Colour	Grey, with self-adhesive strip on one side
Dimensions (w × w × t)	50 mm × 50 mm × 6 mm
Resistance to fire	EI 60 to EI 180, depending on application and configuration
Tested and classified in accordance with	EN 1366-3; EN 13501-1: Class F; EN 13501-2
Use category	Z2, internal use
Application temperature	5–30 °C, max. 70% RH
Hardness	Shore A: 80
Adhesion	Self-adhesive in plastic wall box or ceiling box, if dry and free of grease and dust
Supplied as	10 pads per box
Storage	Store in a dry place, 5–30 °C, max. 70% RH, avoid condensation and UV
Expected lifespan	Indefinite, if stored in accordance with instructions
Activation temperature	approx. 180 °C
Flash point	Not relevant
Emissions of hazardous gases/chemicals	None; contains no formaldehyde or asbestos
Practical use	1 FIRESAFE FT Seal Pad per single electrical wall box or ceiling box

LIMITATIONS

Dependent on IP code for the specific wall box or ceiling box; does not apply in damp conditions > 90% RH.

HANDLING AND STORAGE

- During transport: keep dry; do not stack pallets
- Store dry; best stored in a cool, dark place
- Store on an even surface; do not stack pallets

SAFETY

- No specific restrictions
- This product is classified as non-hazardous under Regulation (EC) No. 1272/2008 and is in accordance with the CLP Regulation

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PRODUCT INFORMATION

- For areas of applications and principal configurations, read the installation instructions
- Other documentation, including installation instructions and DoP, can be downloaded from www.firesafe.no
- Product certification of DoP: for more information, see certification of CE-marked construction products through ETA on www.eota.eu/
- Always consult www.firesafe.no for the latest versions of the declaration of performance (DoP), product data sheet and installation instructions, as product development and testing are continuous processes at FIRESAFE AS.
- Contact FIRESAFE for other EI requirements, non-standardised solutions or complex, project-specific requirements.

