

FIRESAFE FT Seal Pad

GENERAL

Heat expanding Seal Pad for fire protection of plastic electrical wall boxes and plastic roof boxes installed in fire barrier walls and slabs.

AREAS OF APPLICATION

Sealing mechanism for plastic wall boxes and ceiling boxes within the electrical industry. Also documented to EI 60 for large wall boxes (size 1.5). FIRESAFE FT Seal Pad is used to seal electrical penetrations in the event of fire, by expanding and thereby reinstating the fire resistance of the fire barrier construction in which it is installed.

These include:

- Standard flexible walls ≥ 100 mm
- Standard flexible ceilings ≥ 150 mm

CHARACTERISTICS	
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 product data sheet 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

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 product data sheet
EQUIPMENT	NONE
Preparation of the surface	<ul style="list-style-type: none"> • Ensure that the electrical wall box or ceiling box is adequately anchored to the construction element on both sides. • Ensure that the electrical wall box or ceiling box is connected; FIRESAFE FT Seal Pad cannot be used on empty electrical 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. • Remove the protective film and firmly place the pad <u>inside</u> the wall box or ceiling box, in the <u>back</u> of the box. • If necessary, use smoke sealant (FIRESAFE FT Acrylic joint sealant or FIRESAFE FT Paste).
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.

Further details and technical support are available from Firesafe's technical department or www.firesafe.no.

FIRESAFE FT Seal Pad

FIRESAFE FT Seal Pad may only be used with the following specified construction elements and surfaces (see following pages):

ELECTRICAL WALL BOX IN FLEXIBLE WALL		
Fire resistance has been tested in accordance with EN 1366-3/ flexible wall 100 mm		
Electrical wall box Ø 76 mm, fitted back to back	With FIRESAFE FT Seal Pad in both wall boxes	EI 120 minutes

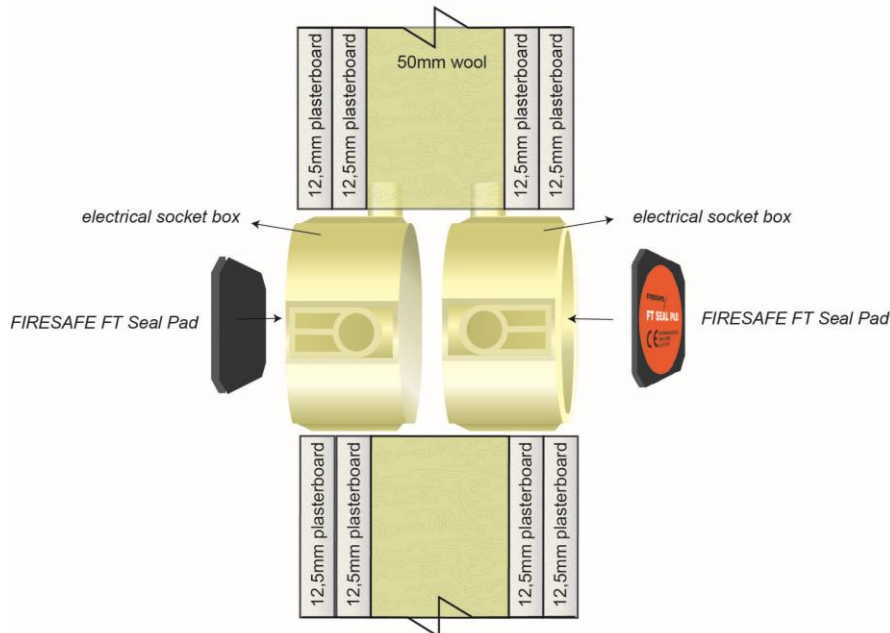


Figure 2 – Two electrical wall boxes in flexible wall, fitted back to back – sectional view

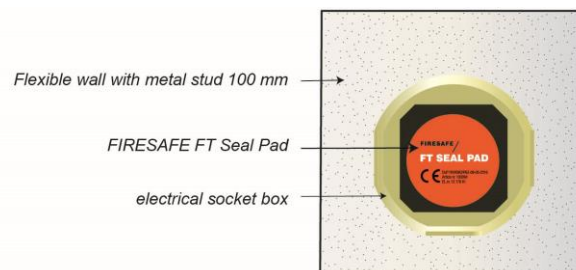


Figure 3 – Electrical wall box in flexible wall – front view

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DOUBLE ELECTRICAL WALL BOX IN FLEXIBLE WALL		
Fire resistance has been tested in accordance with EN 1366-3/ flexible wall 100 mm		
Double electrical wall box fitted back to back	With FIRESAFE FT Seal Pad in both wall boxes	EI 90 minutes

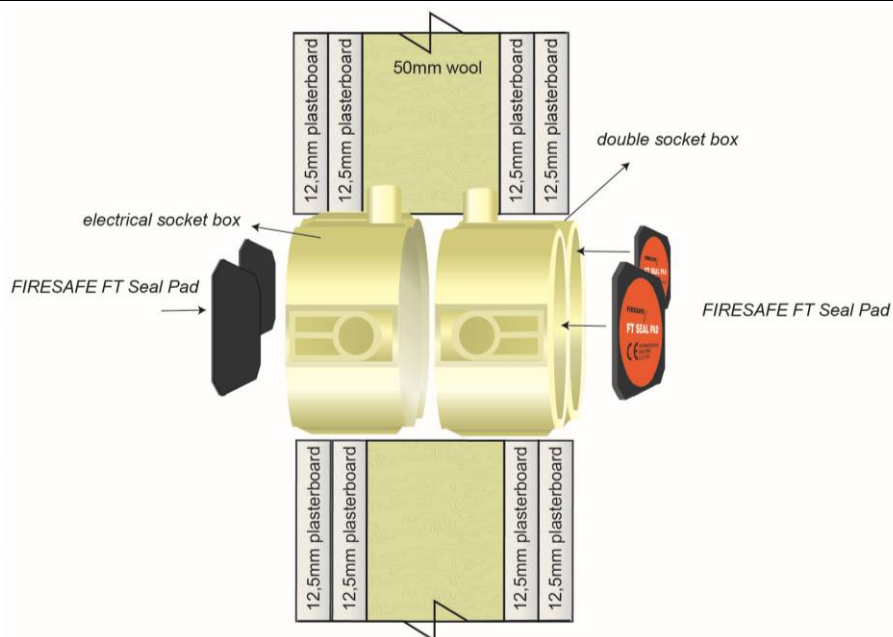


Figure 4 – Double electrical wall box in flexible wall, fitted back to back – sectional view

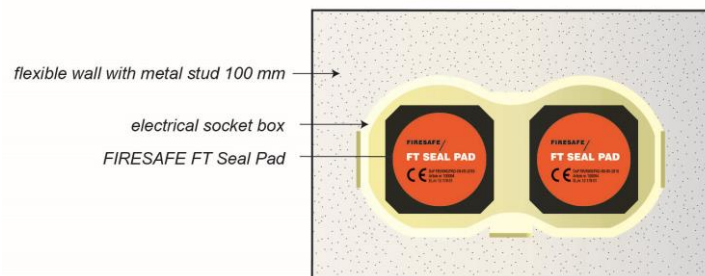


Figure 5 – Double electrical wall box in flexible wall – front view

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ONE TO FIVE ELECTRICAL WALL BOXES IN A ROW IN FLEXIBLE WALL		
Fire resistance has been tested in accordance with EN 1366-3/ flexible wall 100 mm		
1 single electrical wall box or max. 5 in a row, fitted on one side of the wall	With FIRESAFE FT Seal Pad in each wall box	EI 60 minutes

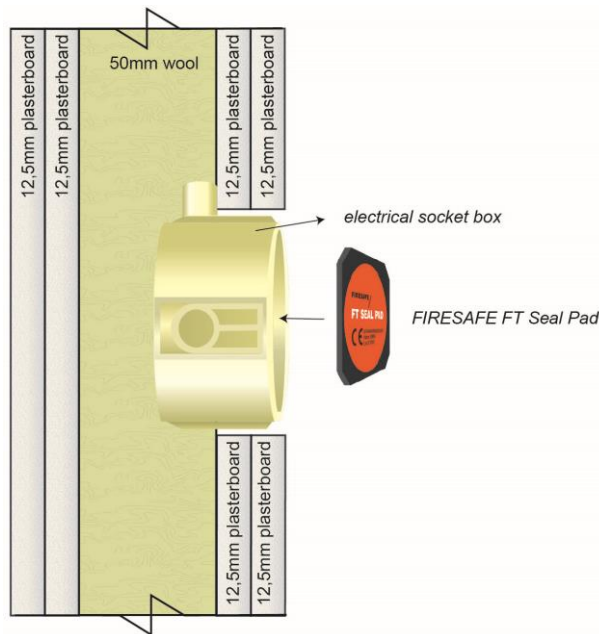


Figure 6 – One to five electrical wall boxes in a row on one side of a flexible wall – sectional view

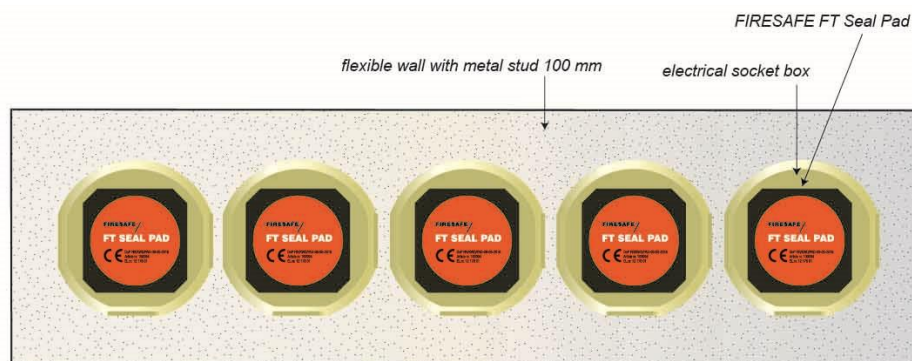


Figure 7 – One to five electrical wall boxes in a row on one side of a flexible wall – front view

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ELECTRICAL CEILING BOX IN FLEXIBLE CEILING		
Fire resistance has been tested in accordance with EN 1366-3/ flexible ceiling 150 mm		
1 single electrical ceiling box, fitted on one side, the underside of the ceiling	With FIRESAFE FT Seal Pad	EI 180 minutes
Aperture Ø 70 mm	Seal the aperture with FIRESAFE FT Acrylic as smoke sealant	

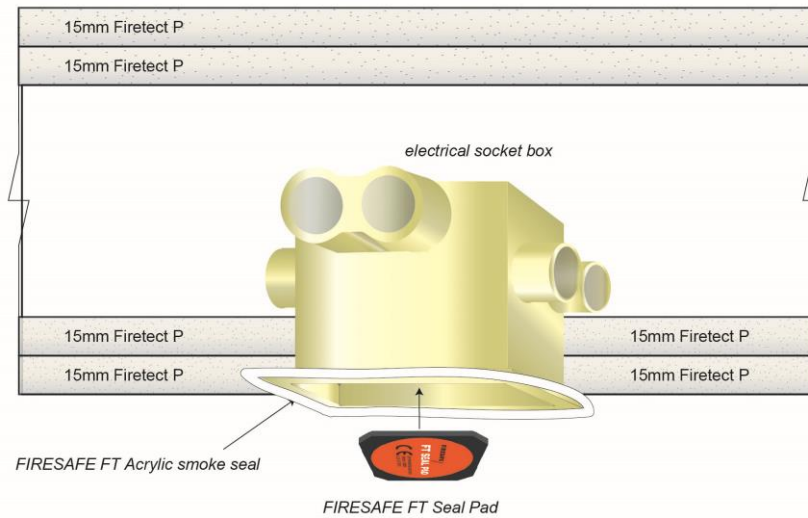


Figure 8 – Single electrical ceiling box in flexible ceiling – sectional views

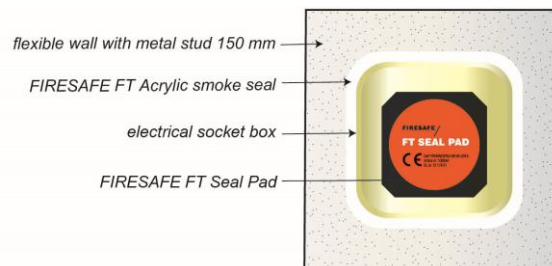


Figure 9 – Single electrical ceiling box in flexible ceiling – views from below

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ELECTRICAL WALL BOX (SIZE 1.5) IN FLEXIBLE WALL		
Fire resistance has been tested in accordance with EN 1366-3/ flexible wall 100 mm		
1 single electrical wall box (size 1.5), fitted on one side of the wall	With FIRESAFE FT Seal Pad in wall box	EI 60 minutes

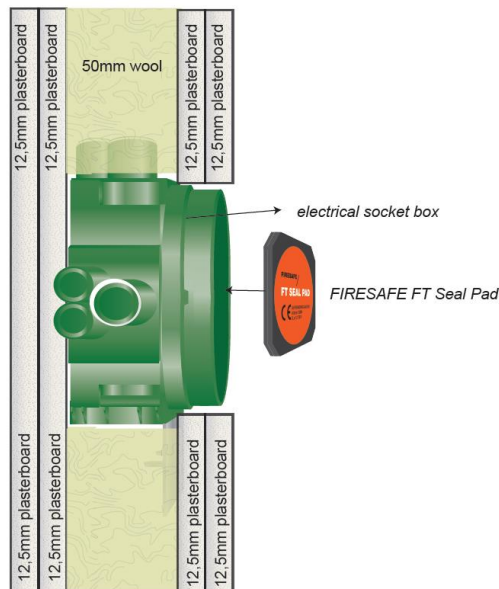


Figure 10 – Single electrical wall box (size 1.5), fitted on one side of flexible wall – sectional view

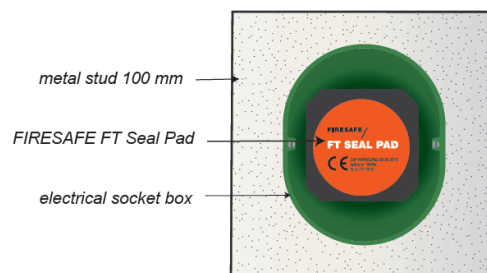


Figure 11 – Single electrical wall box (size 1.5), fitted on one side of flexible wall – front view