CP 617: PUTTY PADS

Product pack

Classification Report:
FIRES-CR-059-24-AUPE Edition 2

TECHNICAL DATA

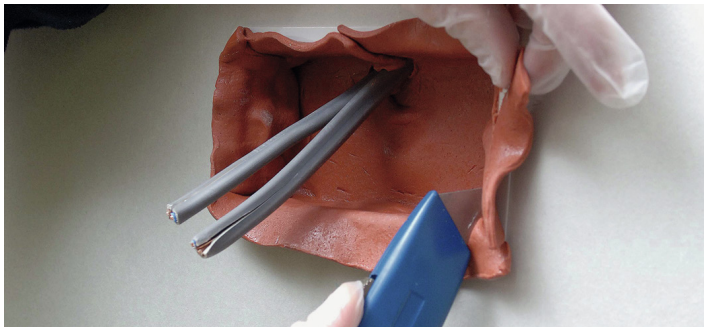
APPLICATIONS

CHANGE LOG

Revision 02 – 06/2025

FIRESTOP CP 617 PUTTY PADS

Easily mouldable firestop putty designed to help protect electrical outlet boxes from fire and smoke



APPLICATIONS

- Approved for use on all types of lightweight partition wall (including timber stud)
- Acoustic sealing and firestopping of electrical boxes and switches in plasterboard (to be fitted to the inside or the outside of the box)
- Can be used for commercial and residential applications
- Sealing around two electrical boxes within a single stud on opposite sides of wall (back-to-back)
- Substitutes the need for baffle boxes

ADVANTAGES

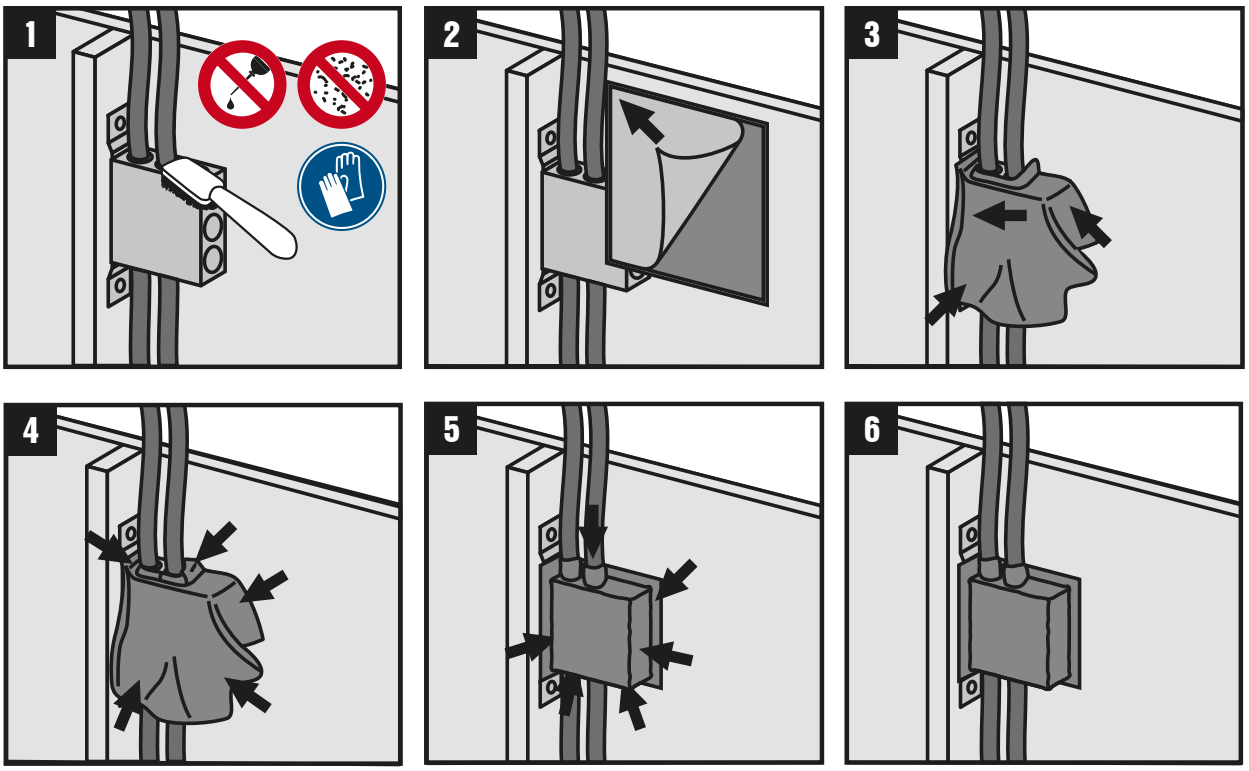
- Adheres to gypsum, metal and plastic
- Quicker and simpler to install – applied by hand and no tools required
- Pad can be moulded by hand without leaving residue on the hands
- Acoustically tested according to ASTM E90
- Remains pliable and workable for the lifetime of the installation

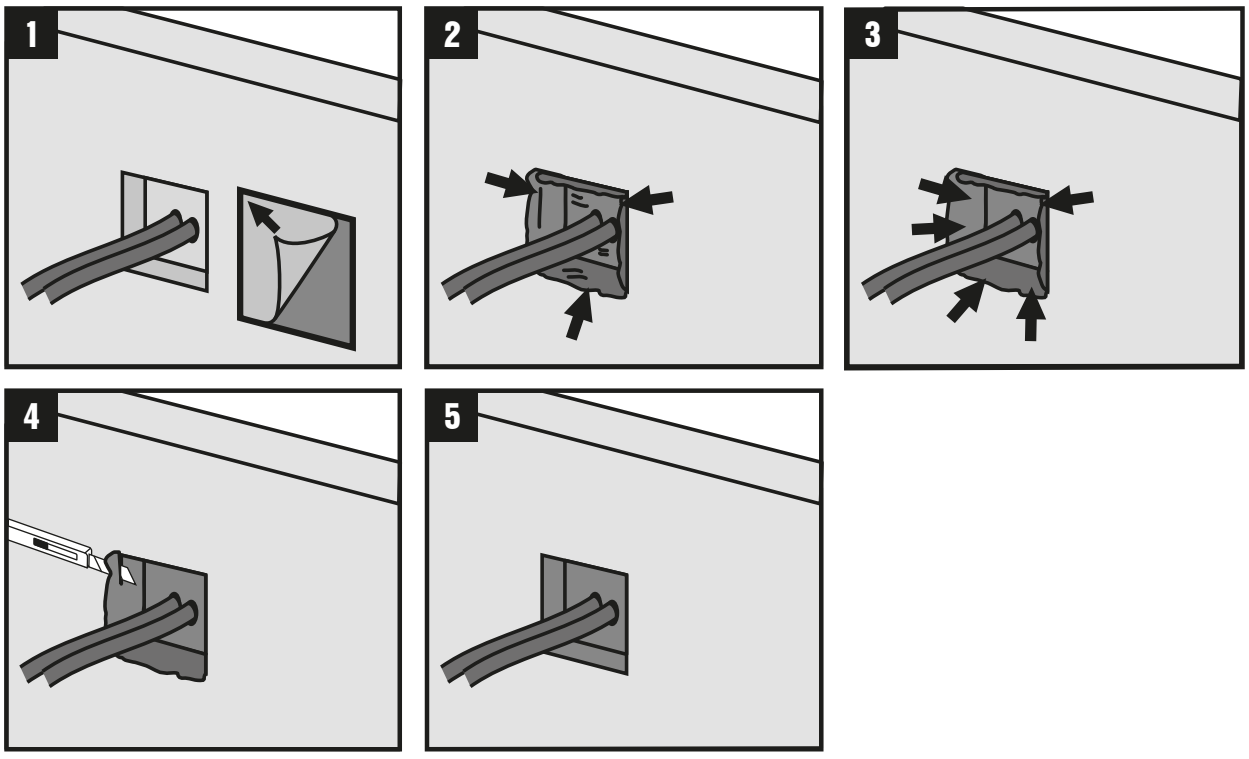
Technical data

Base materials	Gypsum, Metal
Approx. density	1600 kg/m³
Colour	Red
Application temperature range	0 - 40 °C
Storage and transportation temperature range	-5 - 40 °C
LEED VOC	4.5 g/L
Acoustics performance	59 (relates to specific construction) ASTM E90

Order description	Package contents	Colour	Dimensions	Sales quantity	Item number
Firestop putty pad CP 617	Box	Red	170 x 170 x 3 mm	20 pc	39214
Firestop putty pad CP 617	Box	Red	170 x 230 x 3 mm	20 pc	39215

INSTALLATION INSTRUCTIONS





APPLICATION INFORMATION

FOR PIPES/CABLE DIAMETERS

S = Single pipe/cable*

B = pipe/cable Bundle

*For pipes, if no S or B, assume single pipe.

FOR INSULATION

N-C = Non-Combustible (e.g., stone wool etc.)

C = Combustible (e.g., Armaflex, phenolic etc.)

None = No insulation

LS = Local Sustained

LI = Local Interrupted

CS = Continuous Sustained

CI = Continuous Interrupted

Please note, in many cases details have numerous pages. Please check all pages for the necessary information as differing insulation layouts might be on differing pages (e.g., LS one page 1 and LI on page 2 etc.).

PENETRATION TYPE

Single = penetration seal intended for penetrations with only one service passing through

Multi = penetration seal intended for penetrations where more than one service of the same type (e.g. cables) or pipe material group pass through

Mixed = penetration seal intended for penetrations where more than one type of services (e.g. cables and pipes or pipes of different pipe material groups) pass through

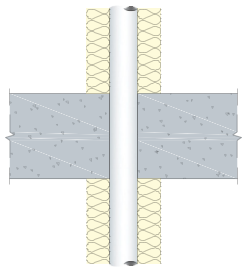
CLASSIFICATION

Classification will give the best-case EI value possible. As such, check each specific detail as there may be instances where a higher I value is possible or another sized service within the application may attain a lower value (e.g., 110mm pipe achieves EI 120 but a 160mm pipe achieves EI 90).

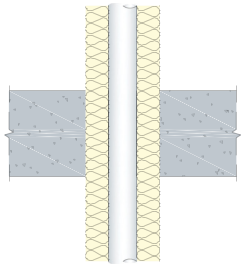
PRODUCT/DETAIL

Full product name first/Detail ID (See specific detail for the full ID).

Please note, in many cases details have numerous pages. Please check all pages for the necessary information.



Continued Interrupted (CI)



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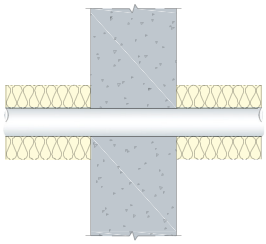

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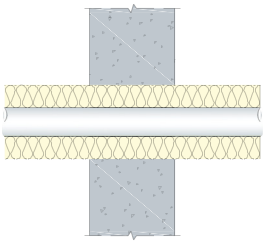

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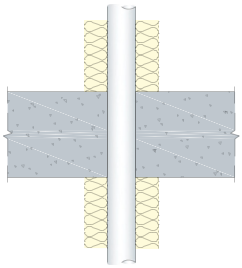
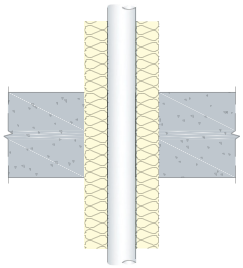
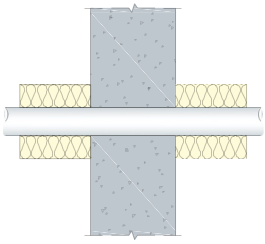


Local Interrupted (LI)



Local Sustained (LS)



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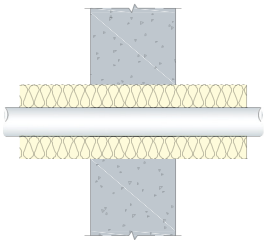


Local Sustained (LS)

Single board drywall | Double board drywall | Rigid wall | Timber wall | Sandwich panel | Rigid floor | Timber floor | Metal deck | Linear joints

Mechanical | **Electrical** | HVAC

Min. base material thickness	Electrical service		Classification	Product/Detail
	Service	Max. Diameter (Ø) or Size (H x W)		
≥ 75	Metal Electrical Box	≤ 135 x 75	EI 60	**CP617: FW-E03**

Single board drywall | Double board drywall | Rigid wall | Timber wall | Sandwich panel | Rigid floor | Timber floor | Metal deck | Linear joints

Mechanical | Electrical | HVAC

Min. base material thickness	Electrical service		Classification	Product/Detail
	Service	Max. Diameter (Ø) or Size (H x W)		
≥ 100	Plastic Electrical Box	≤ 75 x75	EI 90	**CP617: FW-E01**
≥ 100	Metal Electrical Box	≤ 75 x75	EI 90	**CP617: FW-E01**
≥ 100	Plastic Electrical Box	≤ 135 x75	EI 60	**CP617: FW-E01**
≥ 100	Metal Electrical Box	≤ 135 x75	EI 60	**CP617: FW-E01**
≥ 100	Plastic Electrical Box	≤ 135 x75	EI 90	**CP617: FW-E02**
≥ 100	Metal Electrical Box	≤ 135 x75	EI 90	**CP617: FW-E02**

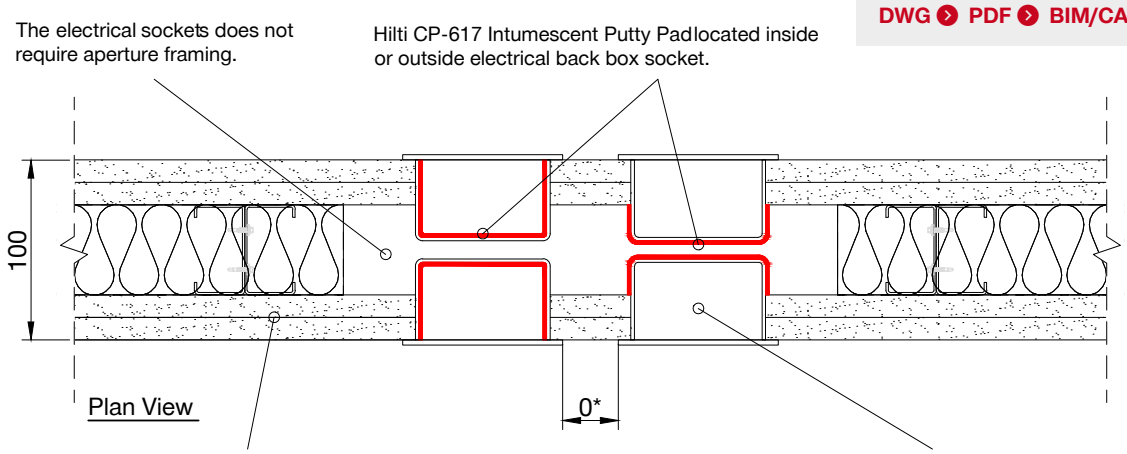
CP617: SP-FW-E-01

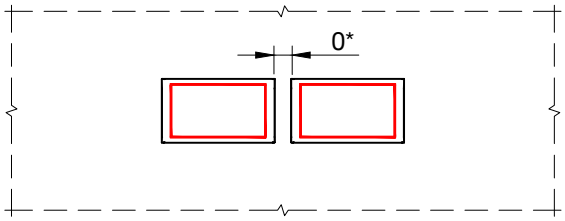
BACK-TO-BACK PLASTIC ELECTRICAL BACK BOX

Fire Rating up to EI 90

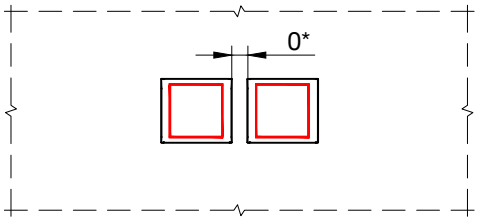
Information
- Not to scale
- All units are in millimetres
- Tested according EN 1366-3 2021
- Classification Report: FIRES-CR-059-24-AUPE Edition 2

DWG PDF BIM/CAD Web





Front View - Double



Front View - Single

Notes:

Min. 100 mm to other penetrations seals apertures.

- Tested height double back to back sockets: 200 & 2725 mm
- Tested height single back to back sockets: 200 & 2000 & 2725 mm

The results of the test of a 'standard' plastic socket cover metallic sockets and face plates for Integrity only.

The test results are valid for any electrical socket box size within a linear arrangement with equal to or smaller height, width, and diameter than those tested, whether with or without services, provided that:

- The distances between services, as well as between services and the aperture edge, meet or exceed the minimum required distances specified above.
- For all minimum distance requirements, including a 0 mm separation (the smallest possible installation distance between two electrical sockets), the classification is limited to:
  - EI 90 for single electrical back box socket (≤ 75 x 75) mm.
  - EI 60 for double electrical back box socket (≤ 135 x 75) mm.

1. The application limits on this detail are for guidance purposes only. For more detailed information based on the full range of available test results please contact the Hilti Technical Advisory Service.
2. The product and application has been assessed as a minimum to the BS 476 standard. It may have additional European and worldwide testing. Please contact Hilti for further information.
3. All installations should be carried out in accordance with Hilti's installation instructions and by competent & experienced installers using Hilti branded products.
4. All services are to be correctly and adequately supported to prevent collapse and distortion.

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CP617: SP-FW-E-02

SINGLE PLASTIC ELECTRICAL BACK BOX

Fire Rating up to EI 90

Information
- Not to scale
- All units are in millimetres
- Tested according EN 1366-3 2021
- Classification Report: FIRES-CR-059-24-AUPE Edition 2

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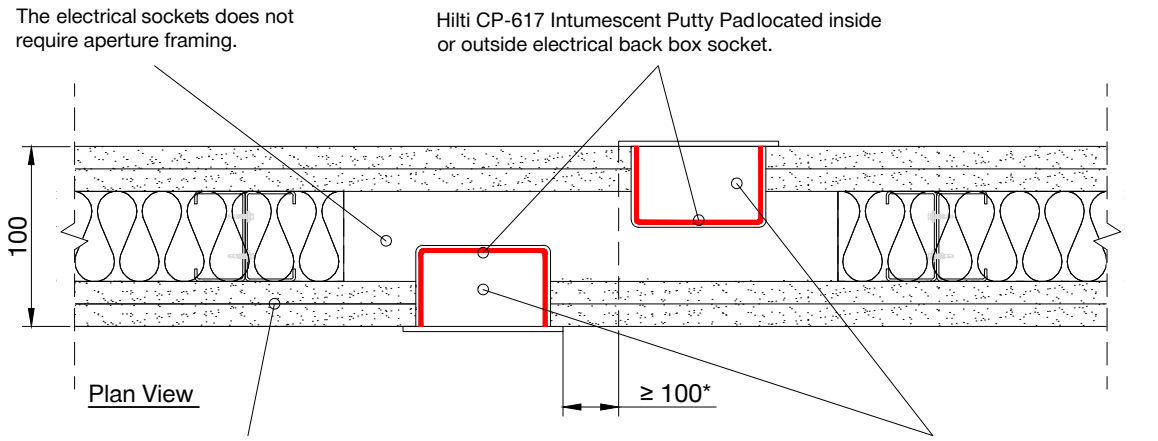

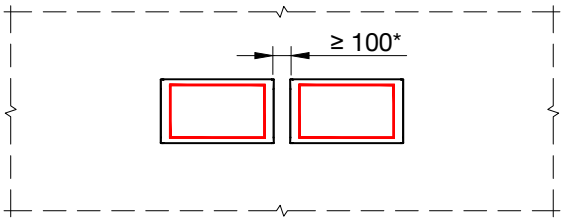

Notes:

Min. 100 mm to other penetrations seals apertures.

- Tested height double sockets: 200 & 2200 mm

The results of the test of a 'standard' plastic socket cover metallic sockets and face plates for Integrity only.

The test results are valid for any electrical socket box size within a linear arrangement with equal to or smaller height, width, and diameter than those tested, whether with or without services, provided that:

- The distances between services and between services and the aperture edge are not smaller than the minimum distances required above.

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CP617: SP-FW-E-03

SINGLE STEEL ELECTRICAL BACK BOX

Fire Rating up to EI 60

Information
- Not to scale
- All units are in millimetres
- Tested according EN 1366-3 2021
- Classification Report: FIRES-CR-059-24-AUPE Edition 2

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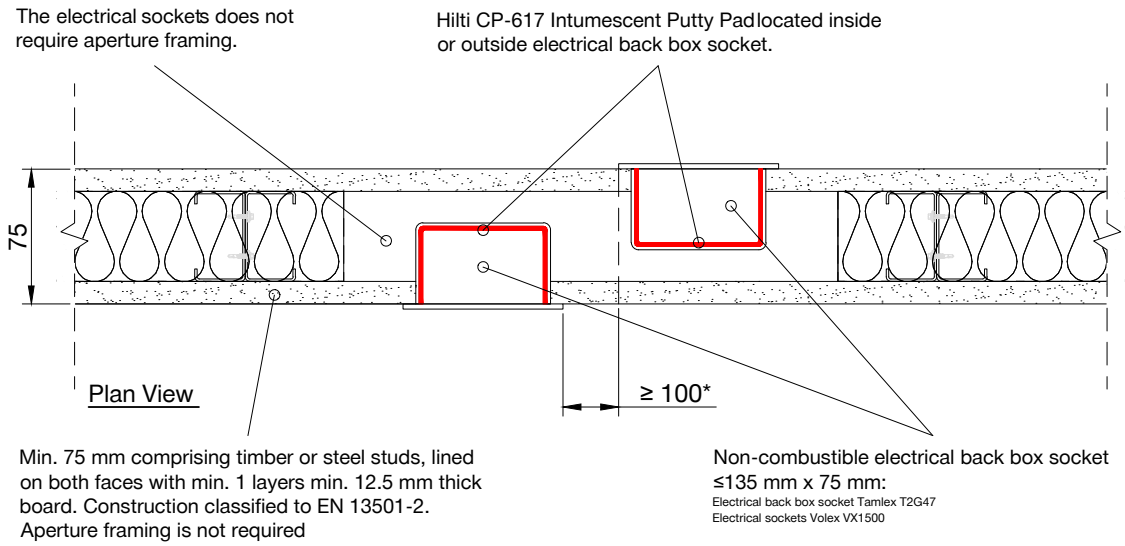

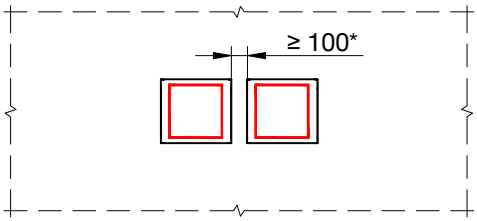

Notes:

Min. 100 mm to other penetrations seals apertures.

- Tested height of single non-combustible sockets:1745

The test results are valid for any electrical socket box size within a linear arrangement with equal to or smaller height, width, and diameter than those tested, whether with or without services, provided that:

- The distances between services and between services and the aperture edge are not smaller than the minimum distances required above.

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CHANGE LOG

Date	Description
03.06.2025	Amendment of CP617: SP-FW-E-03 socket material and description.

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