

# UL-EU CERTIFICATE

**Certificate No.**  
UL-EU-01307-EN

**Issue date**  
2024-07-10

**Issue No.**  
2

**Re-Issue date**  
2025-12-11

**Expiry date**  
2034-07-09



4705

**This is to acknowledge that:**  
Triton Middle East LLC

**Address:**  
PO Box 3350  
New Sanaya Industrial Area  
Umm AL Quwain  
United Arab Emirates

**Has had the product:**  
HEATSHIELD P250

evaluated and meets the requirements of the standard(s):

EAD 350454-00-1104, September 2017

**Places of production:**  
A/033 & A/034

Authorised Signatory:

A handwritten signature in blue ink, appearing to read 'Chris Johnson'.

Chris Johnson  
Issued by UL International (UK) Ltd

This is to certify that representative samples of the Certified Product listed above have been investigated by Underwriters Laboratories to the Standard(s) indicated on this Certificate, in accordance with the UL Global Services Agreement and the UL-EU Mark Service Terms and Conditions ("Agreement"). The Certificate Holder is entitled to use the UL-EU Mark for the Certified Product listed on the certificate and manufactured at the production site(s) listed, in accordance with the terms of the Agreement. Only those products bearing the UL-EU Mark for Europe should be considered as being covered by UL's UL-EU Mark Service. This Certificate shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

This certificate relates to the use of HEATSHIELD P250 for fire stopping where plastic socket boxes and cables penetrate flexible walls, rigid walls and rigid floors.

The detailed scope is given in pages 4 to 9 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 120 minutes (EI 120).

- The product is certificated on the basis of:
- i) Inspection and surveillance of factory production control by UL
  - ii) Fire resistance test data in accordance with EN 1366-3:2021
  - iii) Classification in accordance with EN 13501-2:2016
  - iv) Durability and Serviceability as defined in EAD 350454-00-1104, September 2017

According to EN 1366-3: 2021+A1: 2024, Clause H.4.1.8.6.2, the following end uses are envisaged\* based upon the tested pipe end configuration:

Pipe material	Tested pipe end	Envisaged use scenario
Metal	C/U or C/C	Closed pipe systems (e.g. systems under pressure)
	U/U, U/C or C/U	Ventilated pipe systems (e.g. sewage pipes) and for closed pipe systems
Plastic	U/U or C/U	Ventilated pipe systems and for closed pipe systems
	U/U	Ventilated pipe systems, for rainwater systems and for closed pipe systems

\* In the case where a national prescription is in conflict with the content of the table above, the national prescriptions prevail.



# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

## Performance of the product and references to the methods used for its assessment

Product-type: Putty		Intended use: Penetration Seal
Basic requirement for construction work	Essential characteristic	Performance
<b>BWR 2 Safety in case of fire</b>		
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Resistance to fire	Annex A
<b>BWR 3 Hygiene, health and the environment</b>		
EN 1026	Air permeability	No performance determined
EAD 350454-00-1104, Annex C	Water permeability	No performance determined
Declaration of manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Use categories: IA1, S/W2 Declaration of manufacturer
<b>BWR 4 Safety and accessibility in use</b>		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
EAD 350454-00-1104, Clause 2.2.9	Durability	Z <sub>1</sub>
<b>BWR 5 Protection against noise</b>		
EN 10140-1,2,4,5/ EN ISO 717-1	Airborne sound insulation	No performance determined
<b>BWR 6 Energy economy and heat retention</b>		
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 14683, EN ISO 10211, EN ISO 10456	Thermal properties	No performance determined
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance determined



# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

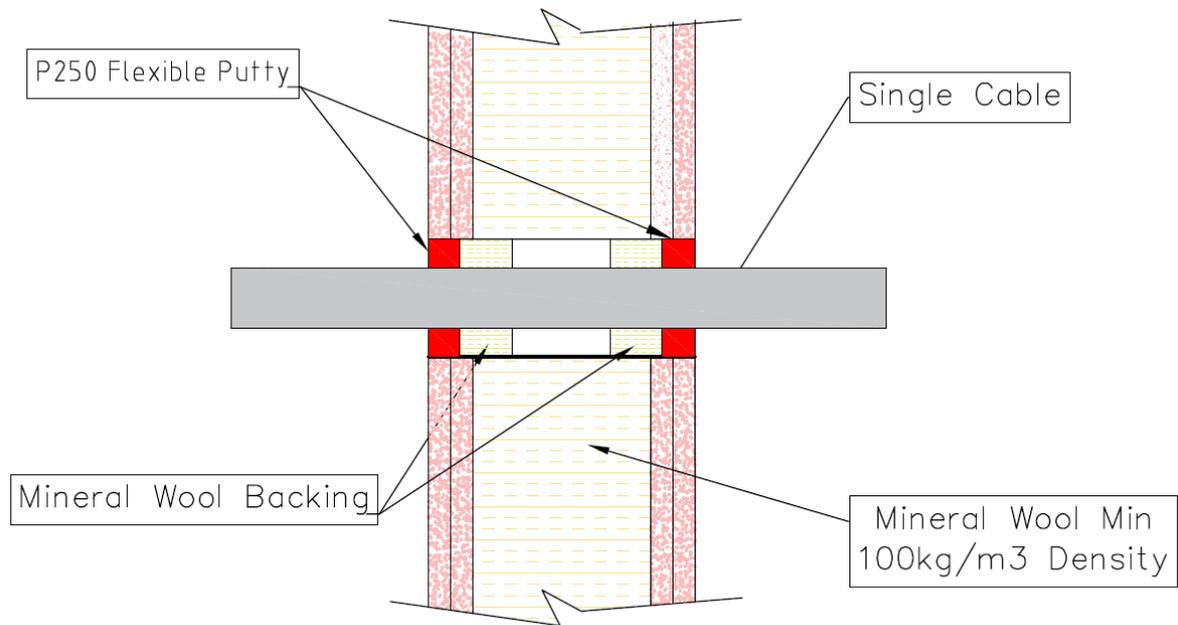
## ANNEX A – Resistance to Fire Classification – HEATSHIELD P250

### A.1 Flexible wall constructions with wall thickness of minimum 135 mm

#### A.1.1 Double sided penetration seal with cables

**Penetration Seal:** Cables (single) centred within the aperture and sealed with HEATSHIELD P250 flexible putty. Minimum separation between penetration seals of 100 mm.

Construction details:



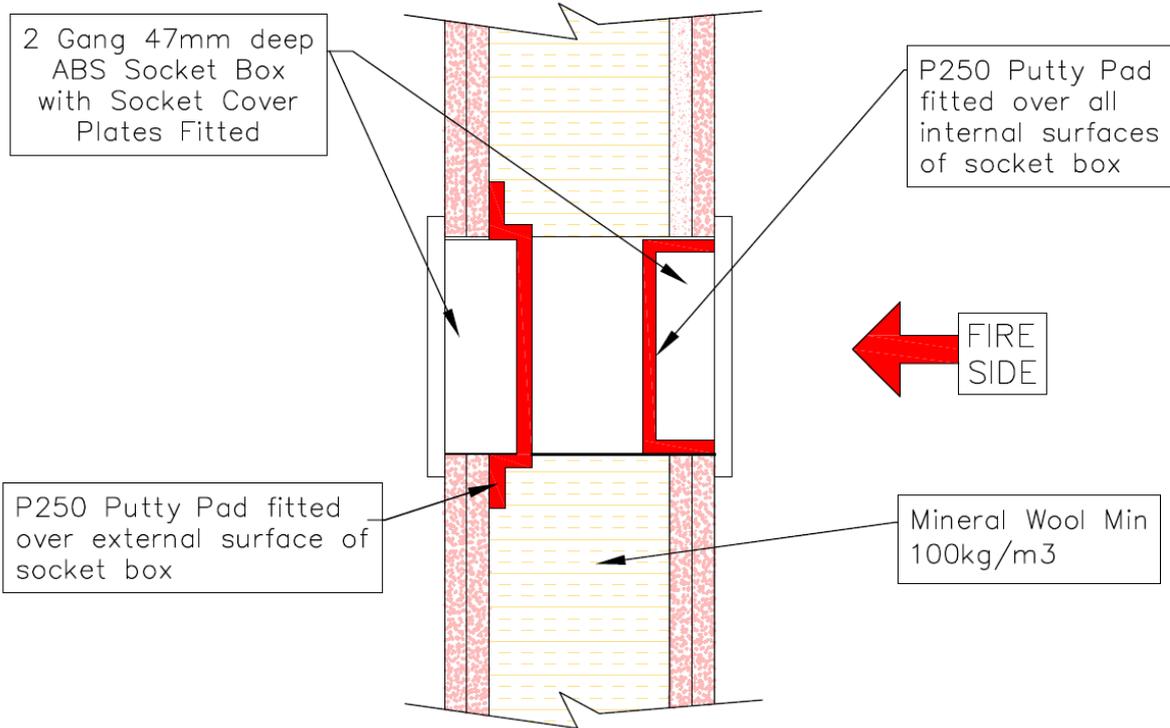
Services	Opening size [mm]	P250 sealant details	Backing material	Annular space	Classification
Electrical cable N2XH (5x1.5 mm <sup>2</sup> ) with a maximum outer diameter of 14 mm	Ø ≤ 71	20 mm depth	30 mm deep stone wool (ρ ≥ 50 kg/m <sup>3</sup> ) recessed 20 mm into opening	30 mm	<b>E 120</b> <b>EI 120</b>
Single electrical cable of H07RN-F (4x95 mm <sup>2</sup> ) with a maximum outer diameter of 60 mm		15 mm wide x 20 mm deep formed into rope and applied into annular space and as bead around penetrant	30 mm deep stone wool (ρ ≥ 50 kg/m <sup>3</sup> ) recessed 20 mm into opening	5-6 mm	<b>E 120</b> <b>EI 120</b>

# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

## A.1.2 Double sided penetration seals with plastic socket box (Configuration 1)

**Penetration Seal:** Plastic socket boxes placed side-by-side with a distance of 41 mm, or further apart protected with 3.5 mm thick HEATSHIELD P250 putty pads. Socket boxes installed into opening according to installation instructions. Minimum separation between penetration seals of 100 mm.

Construction details:



Socket box	P250 Putty pad details		Aperture [mm]	Classification
	Non-fire side	Fire side		
Scolmore International Ltd. (WA107P)- 2 gang lining box, with outer flange size of 143mm x 83mm x 47mm in conjunction with Omega 13A 2 Gang switched socket (OMFL213SS)	P250 Putty Pad fitted over the back of the socket with an overlap of 10 mm onto gypsum board	P250 Putty Pad fitted inside socket box	137 mm wide x 75 mm high	<b>E 90</b> <b>EI 90</b>

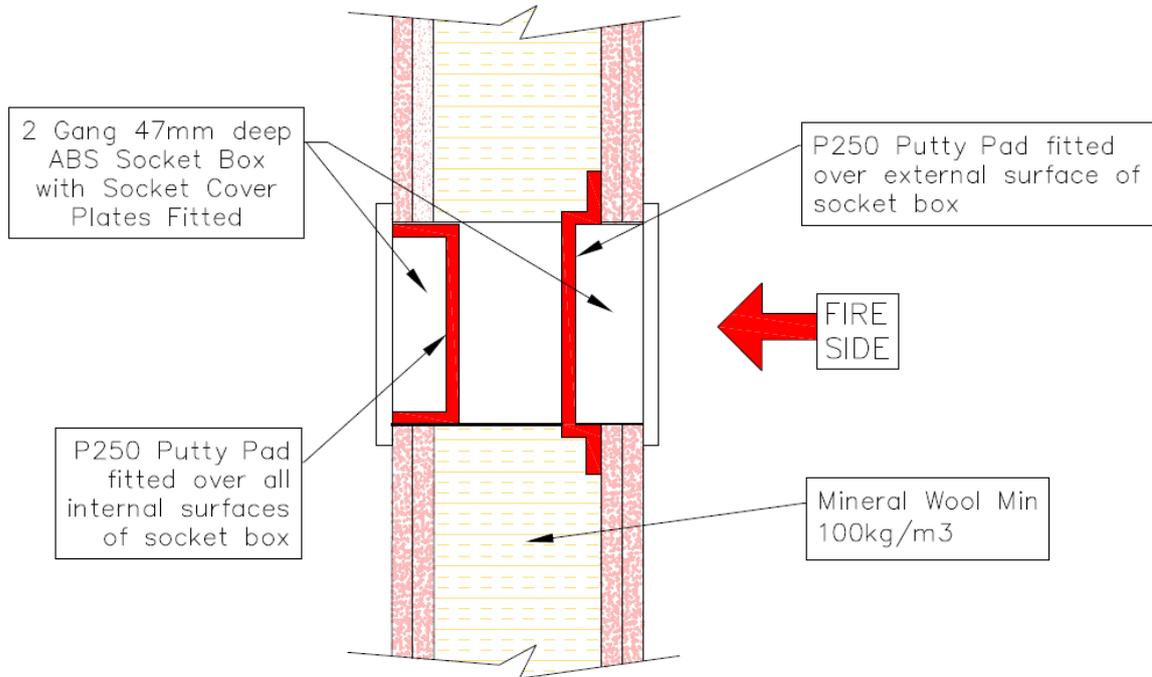


# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

## A.1.3 Double sided penetration seals with plastic socket box (Configuration 2)

**Penetration Seal:** Plastic socket boxes placed side-by-side with a distance of 41 mm, or further apart protected with 3.5 mm thick HEATSHIELD P250 putty pads. Socket boxes installed into opening according to installation instructions. Minimum separation between penetration seals of 100 mm.

Construction details:



Socket box	P250 Putty pad details		Aperture [mm]	Classification
	Non-fire side	Fire side		
Scolmore International Ltd. (WA107P)- 2 gang lining box, with outer flange size of 143mm x 83mm x 47mm in conjunction with Omega 13A 2 Gang switched socket (OMFL213SS)	P250 Putty Pad fitted inside socket box	P250 Putty Pad fitted over the back of the socket with an overlap of 10 mm onto gypsum board	137 mm wide x 75 mm high	<b>E 90</b> <b>EI 90</b>

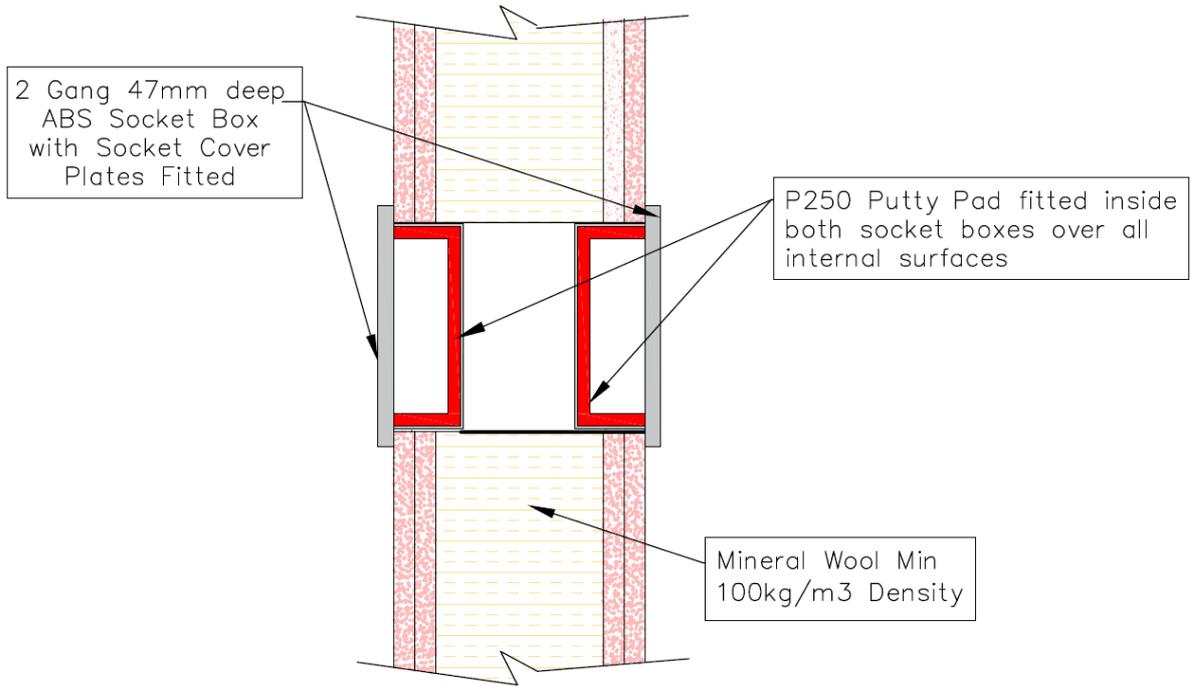


# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

## A.1.4 Double sided penetration seals with plastic socket box (Configuration 3)

**Penetration Seal:** Plastic socket boxes placed side-by-side with a distance of 41 mm, or further apart protected with 3.5 mm thick HEATSHIELD P250 putty pads. Socket boxes installed into opening according to installation instructions. Minimum separation between penetration seals of 100 mm.

Construction details:



Socket box	P250 Putty pad details	Aperture [mm]	Classification
Scolmore International Ltd. (WA107P)- 2 gang lining box, with outer flange size of 143mm x 83mm x 47mm in conjunction with Omega 13A 2 Gang switched socket (OMFL213SS)	P250 Putty Pad fitted inside socket box	137 mm wide x 75 mm high	<b>E 120</b> <b>EI 120</b>



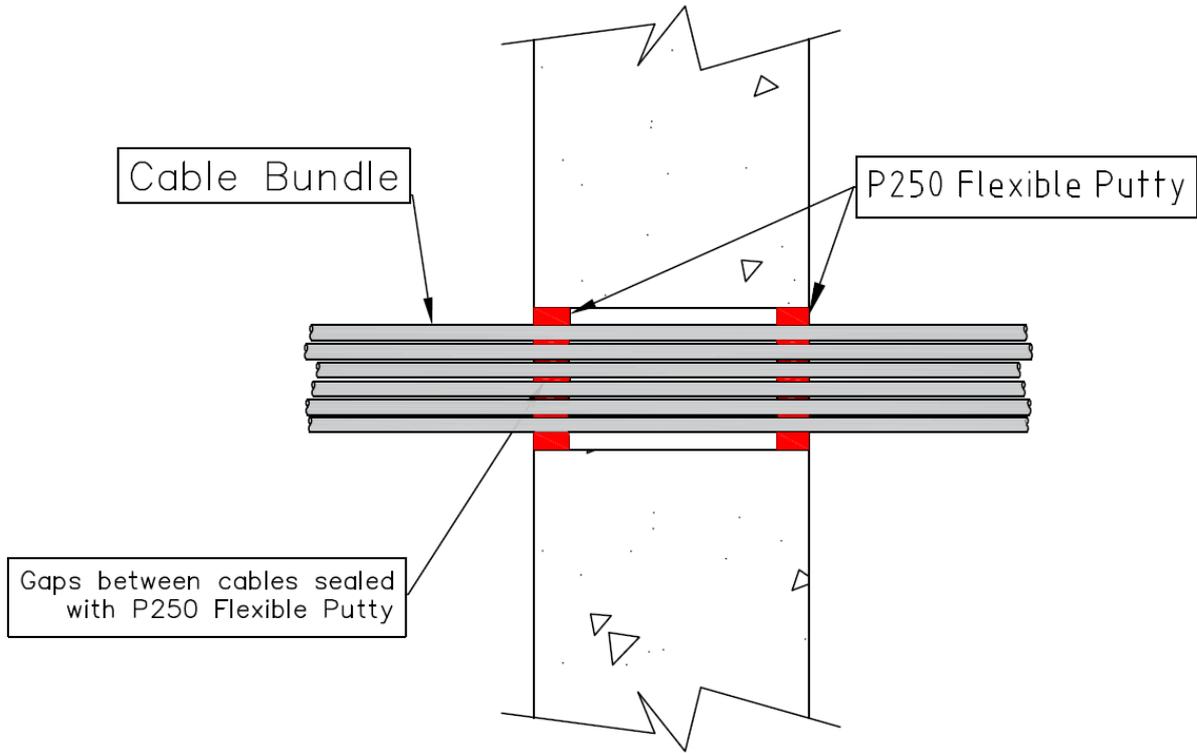
# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

## A.2 Rigid wall constructions with wall thickness of minimum 125 mm

### A.2.1 Double sided penetration seal with cables

**Penetration Seal:** Cables (single or bundles) centred within the aperture and sealed with HEATSHIELD P250 flexible putty. Minimum separation between penetration seals of 100 mm.

Construction details:



Services	Opening size [mm]	P250 sealant details	Annular space	Classification
Electrical cable(s), single or bundle of up to 6 No., of NYM-J (5x2.5 mm <sup>2</sup> ) with a maximum outer diameter of 14 mm	$\varnothing \leq 71$	20 mm depth flush with both surfaces of wall	20 mm	<b>E 120</b> <b>EI 90</b>



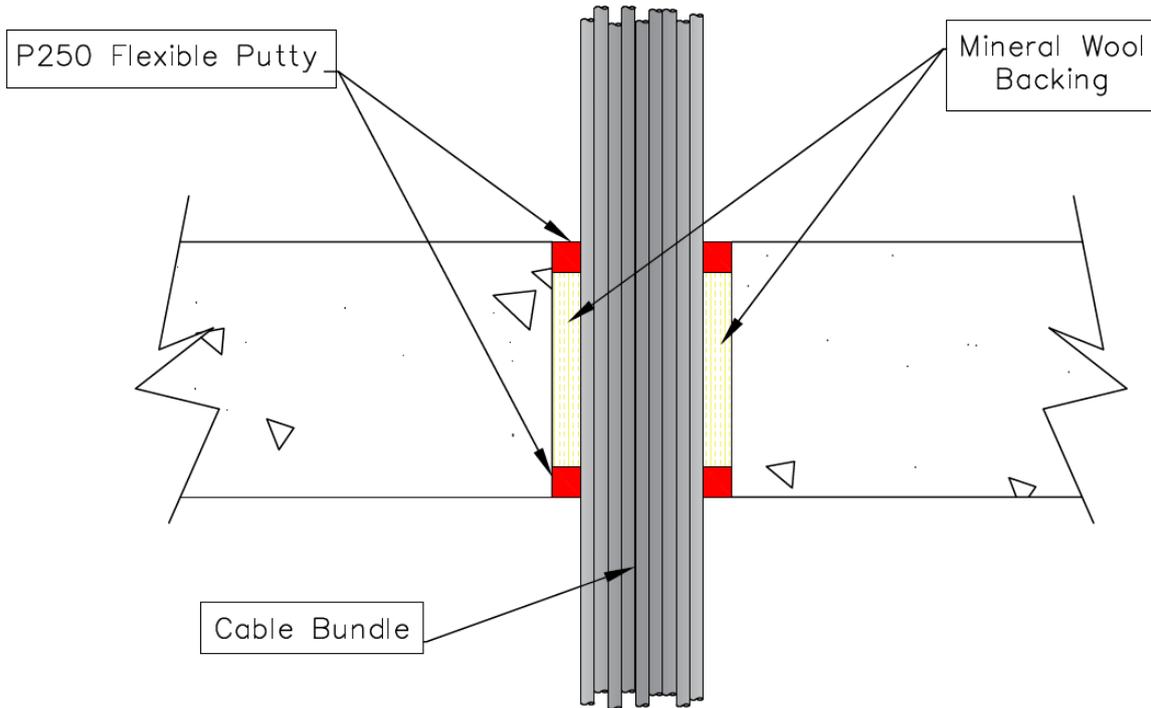
# Appendix UL-EU CERTIFICATE UL-EU-01307-EN

## A.3 Rigid floor constructions with floor thickness of minimum 150 mm

### A.3.1 Double sided penetration seal with cables

**Penetration Seal:** Cables (single or bundles) centred within the aperture and sealed with HEATSHIELD P250 flexible putty. Minimum separation between penetration seals of 100 mm.

Construction details:



Services	Opening size [mm]	P250 sealant details	Backing material	Annular space	Classification
Single electrical cable of H07RN-F (4x95 mm <sup>2</sup> ) with a maximum outer diameter of 60 mm	$\varnothing \leq 71$	20 mm depth flush with both surfaces of floor	Mineral stone wool (50 kg/m <sup>3</sup> ) recessed 20 mm from both surfaces of floor into opening	8 mm	<b>E 120</b> <b>EI 120</b>
Electrical cable(s), single or bundle of up to $\varnothing 90$ mm, of Cat-5e Network cable with a maximum outer diameter of 6 mm	$\varnothing \leq 102$			6 mm	<b>E 120</b> <b>EI 120</b>
Electrical cable(s), single or bundle of up to 10 No., of NYY-J (5x1.5 mm <sup>2</sup> ) with a maximum outer diameter of 14 mm	$\varnothing \leq 82$			18 mm	<b>E 120</b> <b>EI 120</b>



## Appendix UL-EU CERTIFICATE UL-EU-01307-EN

The UL-EU Marks, displayed below represent the enhanced and alternate version of the product marking. Either Mark can be used. These Marks shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.



\*Note: E12345 is an example of the UL file number.

The minimum height of the registered trademark symbol ® shall be 1 mm. When the overall diameter of the UL-EU Mark is less than 9.5 mm, the trademark symbol may be omitted if it is not legible to the naked eye.

The UL-EU Mark may appear on a label, nameplate, or may be cast, stamped or molded into the product. When appearing on a label or nameplate, the Manufacturer's name or trademark along with a model number and UL File number are also required on that same label or nameplate. If cast, stamped or molded, the Manufacturer's name or trademark and model number shall also appear elsewhere on the product.

All content shall be in accordance with the details provided on this UL-EU Certificate.

### PROCUREMENT

The Production site may reproduce the Mark or obtain it from a UL authorized supplier. The list of UL authorized suppliers can be found on UL's online directory at [www.ul.com](http://www.ul.com).