

UL-EU CERTIFICATE

Certificate No.
UL-EU-01364-EN

Issue date
2025-09-08

Issue No.
1

Re-Issue date
-

Expiry date
2035-09-07



4705

This is to acknowledge that:
ROCKWOOL Limited

Address:
Wern Tarw,
Pencoed,
Bridgend,
CF35 6NY

Has had the product:
FirePro® AIS Fire Resistant Sealant

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

EAD 350454-00-1104, September 2017
EN 13501-2: 2023

Places of production:
ROCKWOOL Limited
Unit 2, Hams Hall, Canton Line
Birmingham
B45 1GA

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.



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This certificate relates to the use of FirePro® AIS for fire stopping of service penetrations through floors and walls. The defined scope is provided in pages 7 to 13 of this certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 180 minutes for differing services and wall/floor constructions.

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 & EN 1366-3: 2021 + A1:2024
- iii) Classification in accordance with EN 13501-2:2023.
- iv) Durability and Serviceability as defined in EAD 350454-00-1104

VOC test report – VOC content referenced – Eurofins 392-2025-00181006_XG_EN is also available.

The durability class of FirePro AIS is Type X: Intended for use at conditions exposed to weathering.

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.



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Product-Type: Sealant	Intended Use: Penetration Seal	
Assessment Method	Essential Characteristics	Product Performance
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	No performance determined
EN 13501-2: 2023	Resistance to fire	See pages 7 to 13
BWR 3 Hygiene, health and the environment		
Declaration of Manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Use categories: IA1 Declaration of manufacturer
EN 1026:2016	Air Permeability (Material Property)	No performance determined
EN 1027:2016	Water Permeability (Material Property)	No performance determined
BWR 4 Safety and accessibility in use		
EAD 350141-00-1104, Clause 2.2.6	Mechanical resistance and stability	No performance determined
EAD 350141-00-1104, Clause 2.2.7	Resistance to impact / movement	No performance determined
EAD 350141-00-1104, Clause 2.2.7	Adhesion	No performance determined
EAD 350141-00-1104, Clause 2.2.9	Durability	Type X
BWR 5 Protection against noise		
EN ISO 10140-2:2021	Airborne sound insulation	Rw (C;Ctr)= 62 (-3;-8) (Minimum) Please see pages 5 & 6
BWR 6 Energy economy and heat retention		
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 10456	Thermal properties	No performance determined
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance determined



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FirePro AIS: Analytical VOC Results				
Solid content, % mass	Water content, % mass	Exempt compounds, % mass	VOC less water less exempt compounds, g/l	VOC limit g/l
80.8	20.5	0*	<1	50**

Report Number: 392-2025-00181006_XG_EN

* No information about exempt compounds. Assumed to be zero.

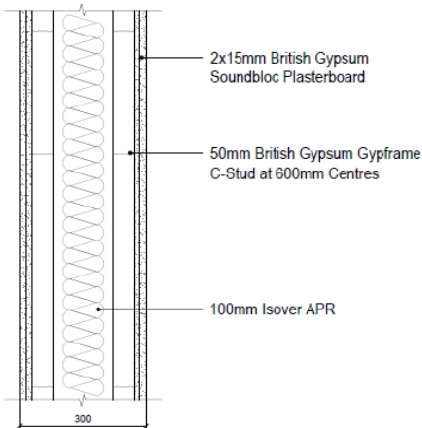
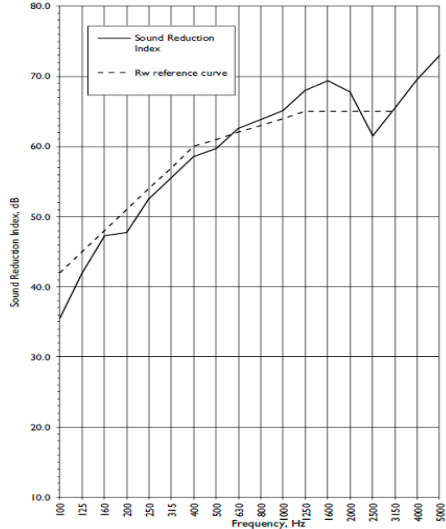
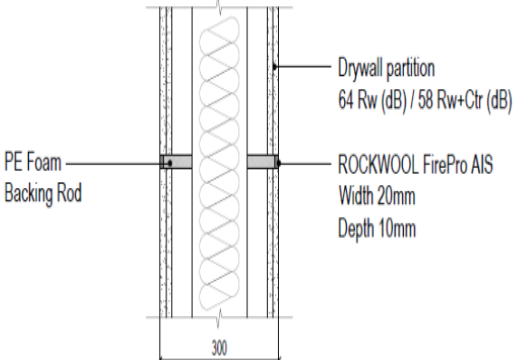
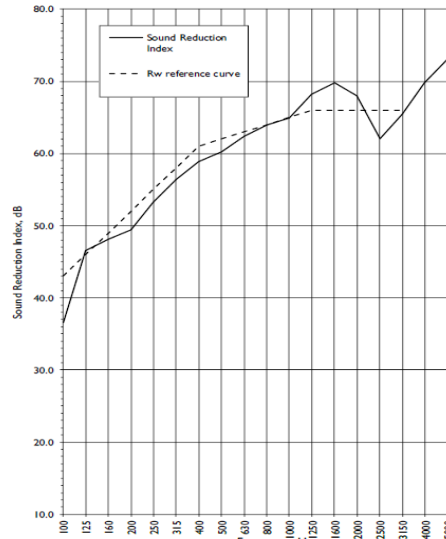
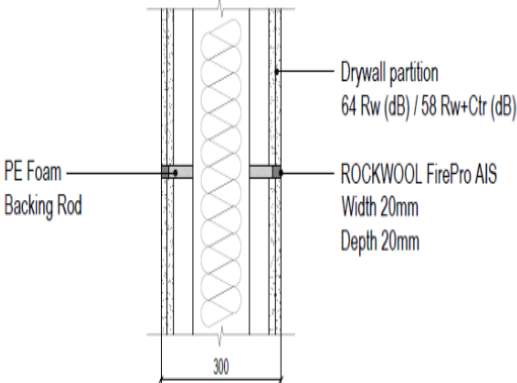
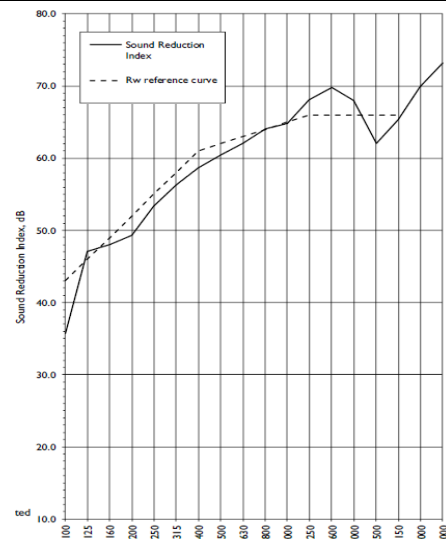
** VOC limit for "all other architectural sealants" - SCAQMD Rule 1168.



Solutions

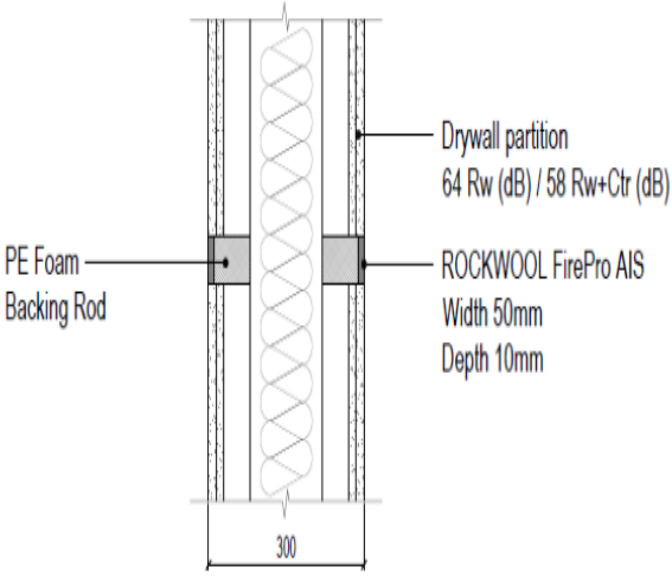
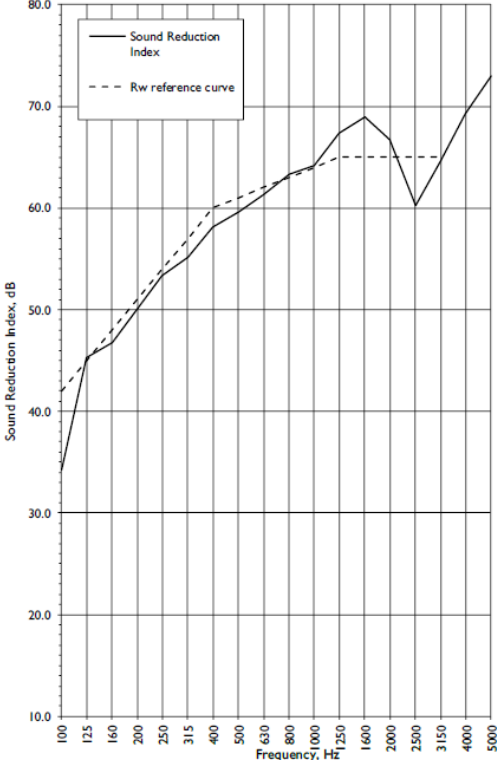
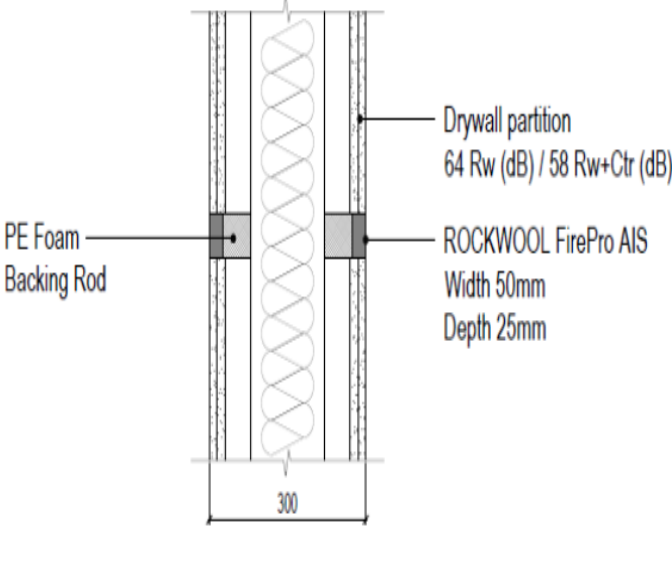
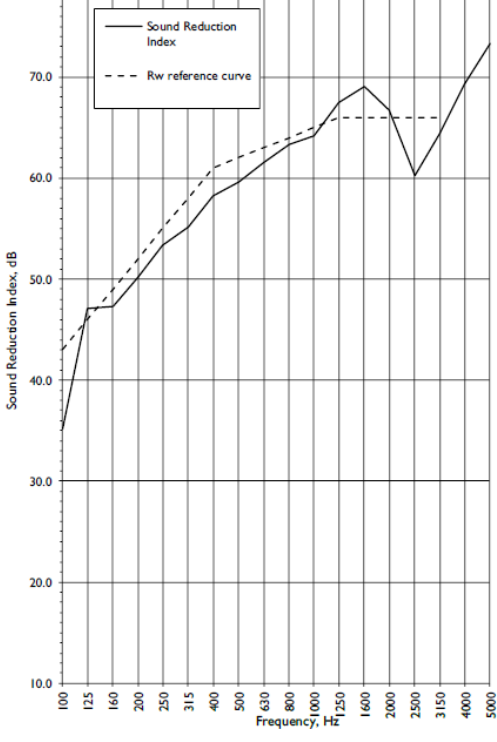
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FirePro® AIS: Acoustic performance according to BS EN ISO 10140-2:2021		
Configuration	Rw(C; Ctr) Partition & Specimen, 10.95m ²	Test results
 <p>Base Wall British Gypsum A216012(A) (EN) 64 Rw (dB) / 58 Rw+Ctr (dB)</p>		61 (-2;-8)
 <p>ROCKWOOL AIS 20x10mm Linear gap</p>		62 (-2;-7)
 <p>ROCKWOOL AIS 20x20mm Linear gap</p>		62 (-2;-8)



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FirePro® AIS: Acoustic performance according to BS EN ISO 10140-2:2021		
Configuration	Rw(C; Ctr) Partition & Specimen, 10.95m ²	Test results
 <p>ROCKWOOL AIS 50x10mm Linear gap</p>	 <p>61 (-2;-8)</p>	
 <p>ROCKWOOL AIS 50x25mm Linear gap</p>	 <p>62 (-3;-8)</p>	



Solutions

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Flexible walls – Single skin ≥ 75 mm

Metallic Pipes

<p>tA = AIS Depth</p> <p>tB = Stone wool backing depth</p>						
Service Type	Service Size (mm)	Wall thickness (mm)	Seal depth tA (mm)	Annular gap (mm)	Service protection	Classification
Copper pipes (single)	$\leq 108 \text{ } \varnothing$	≥ 1.2	12.5	0-25 Max. seal size – 178mm Dia.	940 mm x 25 mm thick RockLap H&V Pipe Section in a LS configuration installed off centre of the seal.	E 45 / EI 30 C/U
Copper pipes Linear (0 mm)	$\leq 42 \text{ } \varnothing$			0-20 Max. seal size – 280mm wide x 110 mm high	955 mm x 25mm thick RockLap H&V Pipe Section in a LS configuration installed off centre of the seal.	E 30 / EI 15 C/U



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Flexible walls – Double skin ≥ 100 mm

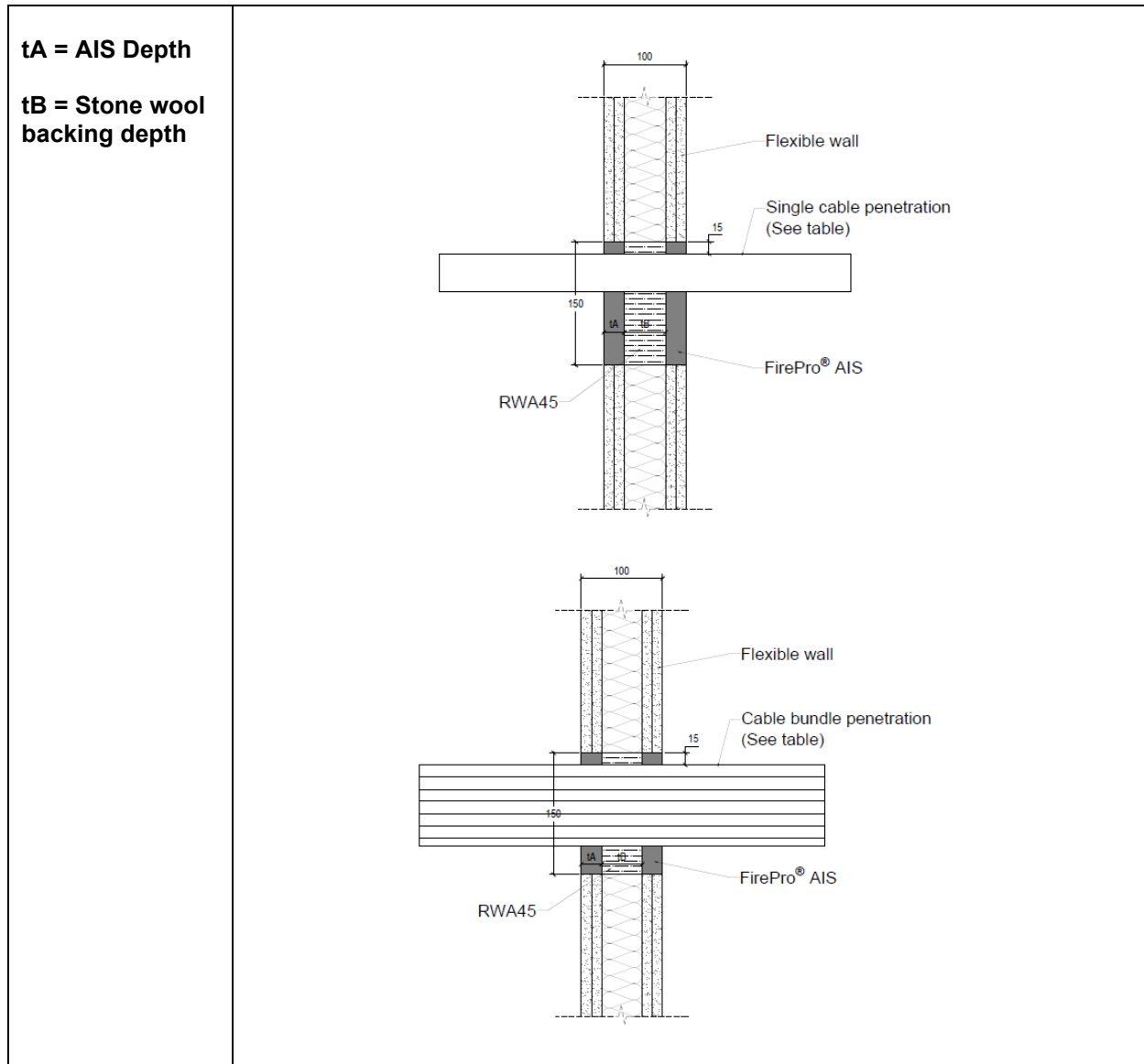
Metallic Pipes

<p>tA = AIS Depth</p> <p>tB = Stone wool backing depth</p>						
Service Type	Service Size (mm)	Wall thickness (mm)	Seal depth tA (mm)	Annular gap (mm)	Service protection	Classification
Copper pipes (single)	$\leq 108 \text{ } \varnothing$	≥ 1.2	25	0-20 Max. seal size – 178mm Dia.	960 mm x 25 mm thick RockLap H&V Pipe Section in a LS configuration installed off centre of the seal.	E 90 / EI 60 – C/U
Copper pipes Linear (0 mm)	$\leq 42 \text{ } \varnothing$			0-20 Max. seal size – 92mm Dia.	960 mm x 25 mm thick RockLap H&V Pipe Section in a LS configuration installed off centre of the seal.	E 90 / EI 60 – C/U



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Cables



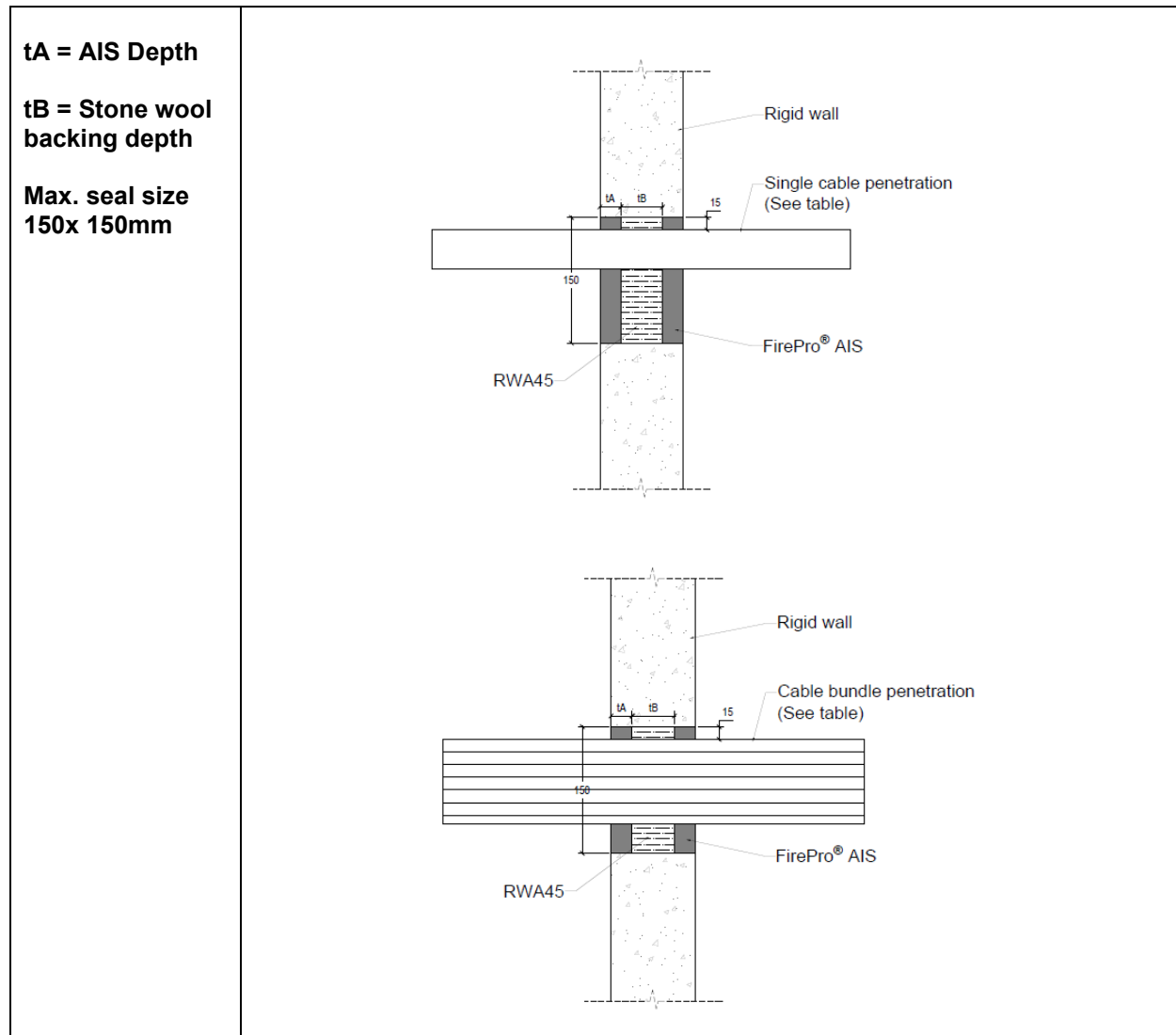
Service Type	Service Size	AIS depth tA (mm)	Min annulus (mm)	Backing material (tB) (mm)	Classification	
Blank 150 x 150 mm (max seal size)	N/A	25	N/A	50 mm RWA45	EI 120	
Sheathed Cables	S		≤21 mm		15	E 120 / EI 60
	M		≤50 mm			E 120 / EI 60
	L		≤80 mm			E 90 / EI 60
Cable bundles	≤Ø100 mm cable bundle ≤Ø21 mm		E 120 / EI 60			
Unsheathed cables	≤24 mm	E 120 / EI 30				



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Rigid Walls ≥ 100mm

Cables



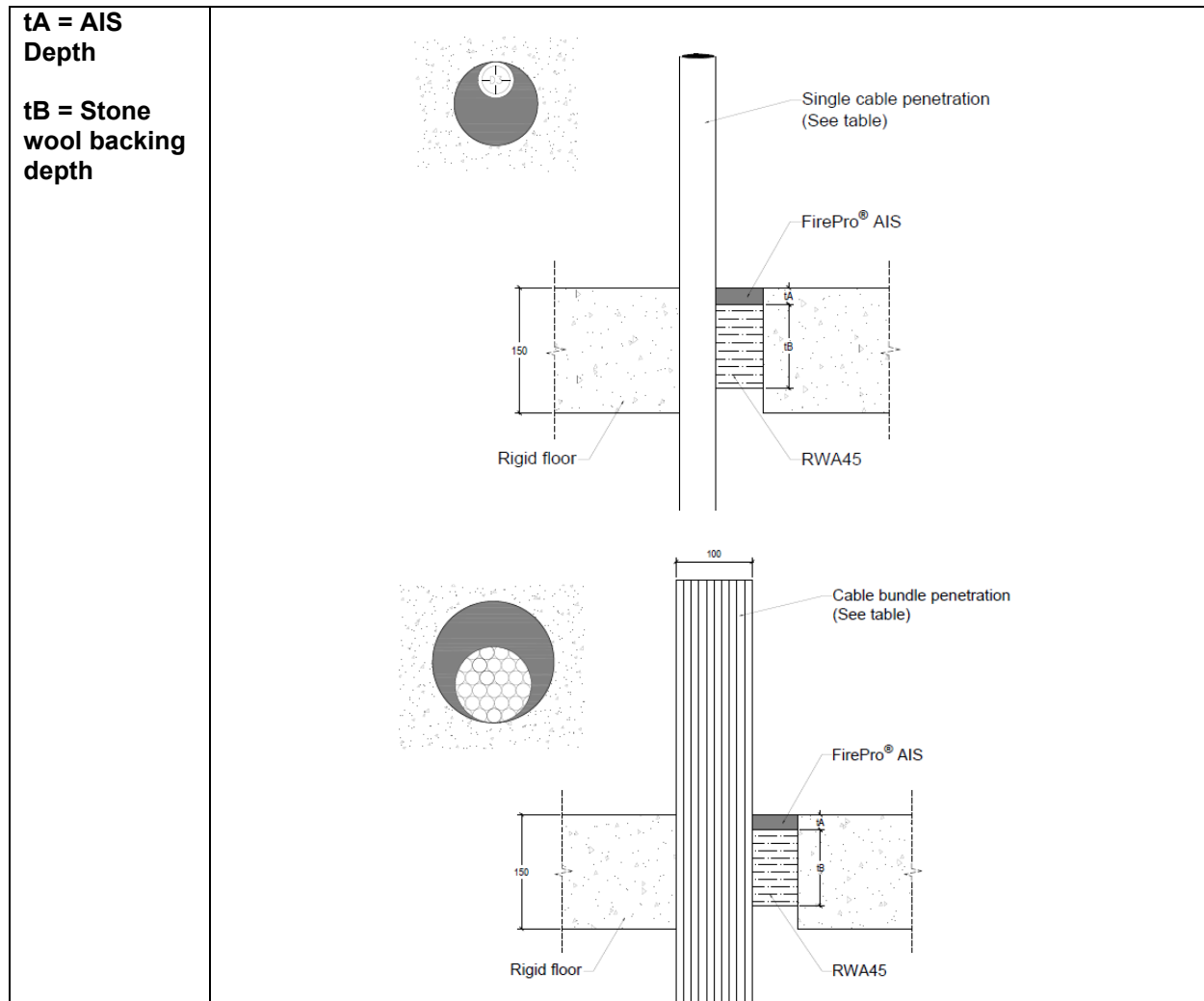
Service Type	Service Size	AIS depth tA (mm)	Min annulus (mm)	Backing material (tB)	Classification	
Blank 150 x 150 mm (max seal size)	N/A	25	N/A	50 mm RWA45	EI 120	
Sheathed Cables	S		≤21 mm		15	E 120 / EI 60
	M		≤50 mm			E 120 / EI 60
	L		≤80 mm			E 120 / EI 60
Cable bundles	≤Ø100 mm cable bundle ≤Ø21 mm		E 120 / EI 45			
Unsheathed cables	≤24 mm	E 120 / EI 45				



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Rigid Floors ≥ 150mm

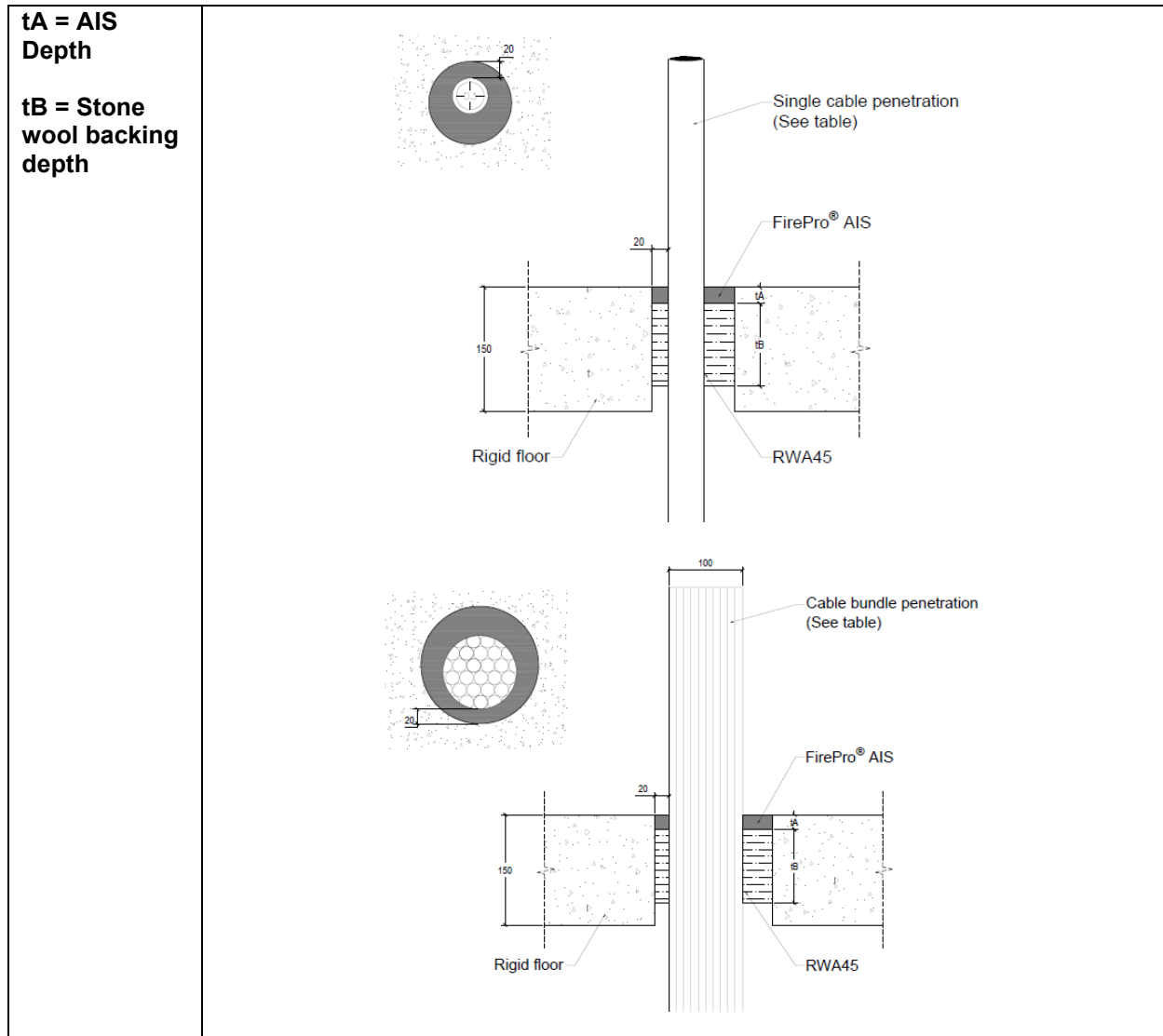
Cables



Service Type	Service Size	AIS depth tA (mm)	Backing material (tB)	Min annulus (mm)	Additional protection tC (mm)	Classification
Blank 200 x 200 mm (max seal size)	N/A	25	100mm RWA45	N/A	N/A	EI 180
Sheathed Cables	S			≤21 mm		E 180 / EI 60
	M			≤50 mm		E 180 / EI 60
	L			≤80 mm		E 120 / EI 60
Cable bundles	≤Ø100 mm cable bundle ≤Ø21 mm			0		E 120 / EI 60
Unsheathed cables	≤24 mm	E 180 / EI 60				



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Service Type	Service Size	AIS depth tA (mm)	Backing material (tB)	Min annulus (mm)	Additional protection tC (mm)	Classification
Blank 200 x 200 mm (max seal size)	N/A	25	100mm RWA45	N/A	N/A	EI 180
Sheathed Cables	S			≤ 21 mm		EI 180
	M			≤ 50 mm		E 180 / EI 90
	L			≤ 80 mm		E 180 / EI 60
Cable bundles	$\leq \varnothing 100$ mm cable bundle $\leq \varnothing 21$ mm			20		E120 / EI 90
Unsheathed cables	≤ 24 mm	E180 / EI 90				



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<p>tA = AIS Depth</p> <p>tB = Stone wool backing depth</p> <p>tC = 20 mm ROCKWOOL Duct wrap</p>							
Service Type	Service Size	AIS depth tA (mm)	Min annulus (mm)	Backing material (tB)	Additional protection tC (mm)	Classification	
Blank 200 x 200 mm (max seal size)	N/A	25	N/A	100 mm RWA45	20mm thick and nominal 300mm long	EI 180	
Sheathed Cables	S		≤21 mm			0	EI 180
	M		≤50 mm				EI 180
	L		≤80 mm				EI 120
Cable bundles	≤Ø100 mm cable bundle ≤Ø21 mm						EI 180
Unsheathed cables	≤24 mm		EI 180				



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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.



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