UL-EU CERTIFICATE

Certificate No.
UL-EU-00500-EN

Issue date
25-04-2014

Issue No.
6

Re-Issue date
18-06-2024

Expiry date
17-06-2034

Certificate Holder:
FSi Limited

Address:
Westminster Industrial Estate
Tamworth Road
Measham
DE12 7DS

Product:
Pyrocoustic®

Places of production:
As above & S/001

Standard:
EAD 350454-00-1104, September 2017/ EAD 350141-00-1106, September 2017 / EN 13501-2

Authorised Signatory:

Chris Johnson
Issued by UL International (UK) Ltd

UKAS PRODUCT CERTIFICATION
4705

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

This certificate relates to the use of Pyrocoustic® sealant for fire stopping where there are joints in or between walls & floors or service penetrations through floors and walls. The detailed scope is given in pages 3 to 44 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 240 minutes for differing services and wall/floor constructions.

The product is certificated on the basis of:

i) ETA 20/0367 & ETA 20/0368
ii) EC – CERTIFICATE OF CONSTANCY OF PERFORMANCE 0843 – CPR – 0583
iii) Classification Report No. 4789433707
iv) Inspection and surveillance of factory production control by UL
v) Fire resistance test data in accordance with EN 1366-3: 2009 and 1366-4: 2006.
vi) Classification in accordance with EN 13501-2
vii) Durability and Servicability as defined in EAD 350454-00-1104 and EAD 350141-00-1106

The movement capability of Pyrocoustic® joint seals is restricted to ≤ 7.5% unless specifically stated within the tables below.

The durability class of Pyrocoustic® is Type X - Intended for use in conditions exposed to weathering and all lower classes.

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Product-type: Sealant	Intended use: Linear Joint & Gap Seal / Penetration Seal	
Assessment method	Essential characteristic	Product Performance
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	No performance determined
EN 13501-2	Resistance to fire	See pages 6 - 44
BWR 3 Hygiene, health and environment		
Declaration of manufacturer & EN 16516	Content, emission and/or release of dangerous substances	Use categories: IA2 Declaration of manufacturer
EN 1026:2000	Air permeability (material property)	See page 4
EAD 350141-00-1106, Annex C & EN 12390-8	Water permeability (material property)	No performance determined
BWR 4 Safety in use		
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 ISO 11600 & EAD 350141-00-1106, Clause 2.2.13	Adhesion	7.5P*
EAD 350141-00-1106, Clause 2.2.12	Durability	Type X
EAD 350141-00-1106, Clause 2.2.13	Movement capacity	See pages 13, 14, 21, 22, 26 & 27
EAD 350141-00-1106, Clause 2.2.14	Cycling of perimeter seals for curtain walls	No performance determined
EAD 350141-00-1106, Clause 2.2.15	Compression set	No performance determined
EAD 350141-00-1106, Clause 2.2.16	Linear expansion on setting	No performance determined
BWR 5 Protection against noise		
EN 10140-1,2,4,5/ EN ISO 717-1	Airborne sound insulation	Rw(C;Ctr)= 63 (-1;-7) dB^
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
* Applicable only to linear joint and gap seals ^ As given in ETA, see page 5 for additional ratings		

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

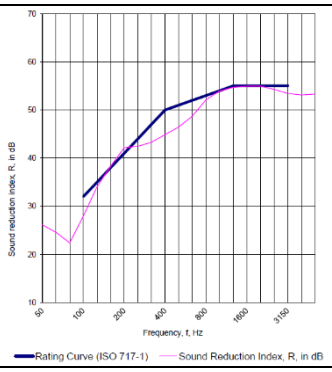
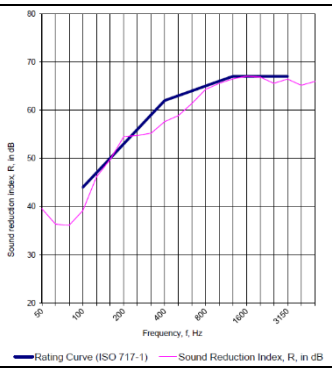
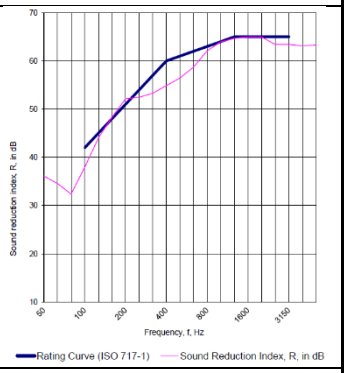
Pyrocoustic®: Air Permeability according to BS EN 1026				
Pressure (Pa)	Results under positive chamber pressure		Results under negative chamber pressure	
	Leakage (m^3/h)	Leakage ($m^3/m^2/ h$)	Leakage (m^3/h)	Leakage ($m^3/m^2/ h$)
50	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0
150	0.0	0.0	0.1	2.8
200	0.0	0.0	0.1	2.8
250	0.0	0.0	0.1	2.8
300	0.0	0.0	0.0	0.0
450	0.1	2.8	0.1	2.8
600	0.1	2.8	0.1	2.8

Pyrocoustic®: Analytical VOC Results				
Solid content % mass	Water content, % mass	Exempt compounds, % mass	VOC less water less exempt compounds, g/l	VOC limit g/l
76.8	2**	0***	350	750*

* VOC limit for other sealants
** Given by client
*** No information about exempt compounds. Set to zero.

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Pyrocoustic®: Acoustic performance according to BS EN ISO 10140-2:2010			
Configuration	**$R_w(C; C_{tr})$ Specimen only, 1m²**	**$R_w(C; C_{tr})$ Partition & Specimen, 14.2m²**	**D_{new} Partition & Specimen, 14.2m²**
Pyrocoustic® Sealant on source room side of wall, 15mm deep x 60mm wide x 2000mm high, with 55mm deep Stonewool (60kg/m³)	51 (-1; -6) 	63 (-1; -7) 	61 (-1; -6) 
Pyrocoustic® Sealant on source room side of wall, 25mm deep x 60mm wide x 2000mm high, with 55mm deep Stonewool (60kg/m³)	51 (-1; -6)	63 (-1; -7)	61 (-1; -6)

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

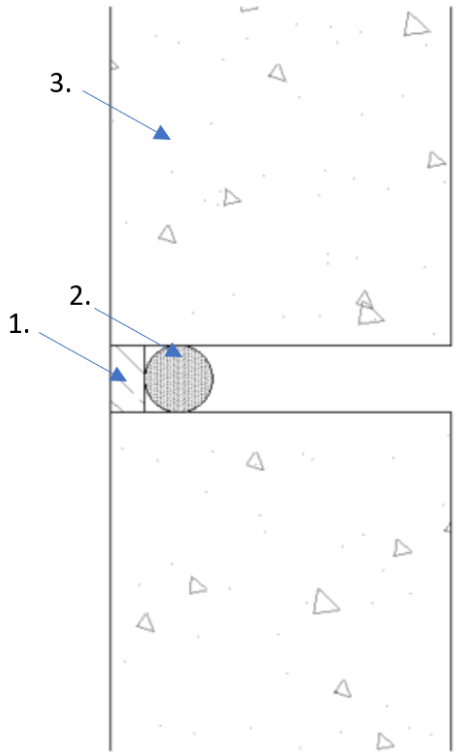
Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Linear Joint Seals

Rigid Walls Minimum Thickness 100mm

Single sided linear joint in wall

Concrete or masonry walls ≥100mm with a density of ≥650kg/m³



Key

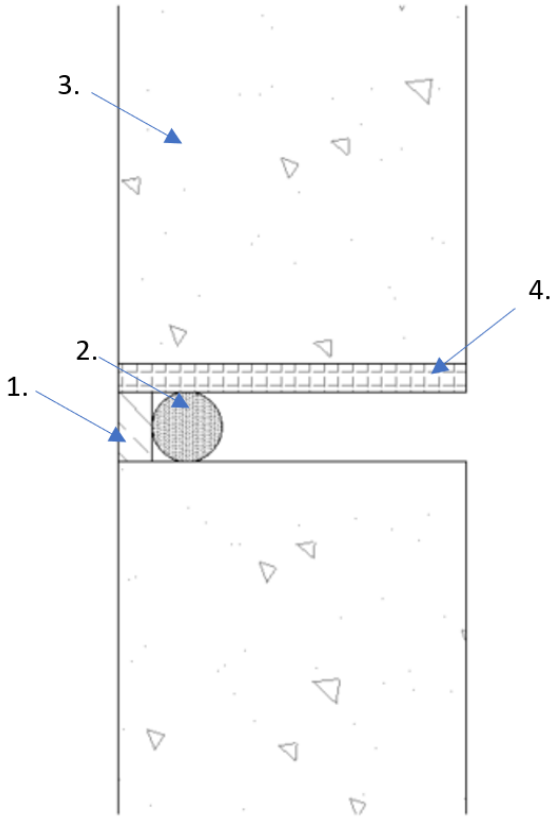
1. Pyrocoustic® Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall

Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	25	PE backing rod, glass wool, stone wool or ceramic wool	E 120 – V – X – F – W 00 to W 50, EI 60 – V – X – F – W 00 to W 50
	2:1 ratio (width:depth) & Min. 10		E 120 – V – X – F – W 00 to W 50, EI 45 – V – X – F – W 00 to W 50

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Single sided linear joint in steel faced wall

Steel - Concrete or masonry walls ≥100mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall
4. Steel

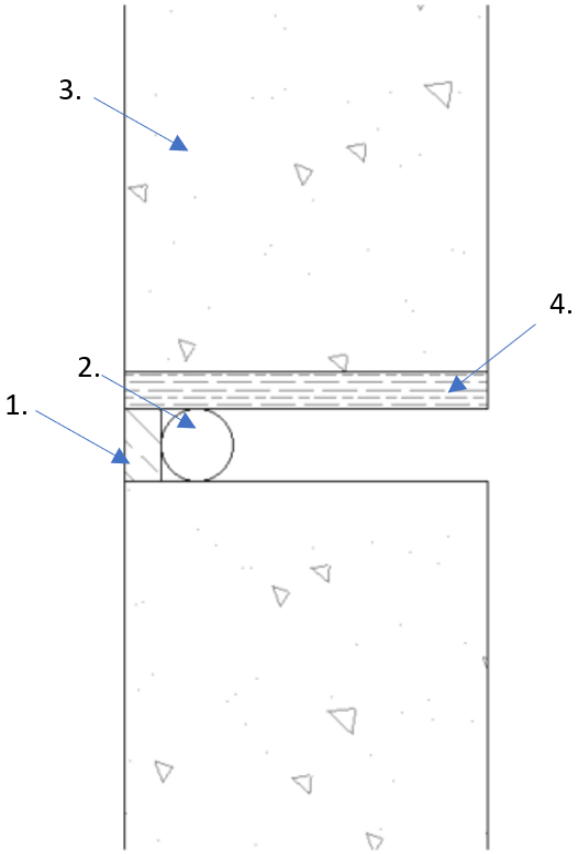
Substrate	Depth (mm)	Backing Material	Classification
Concrete or masonry / steel	10	PE backing rod, glass wool, stone wool or ceramic wool	E 120 – V – X – F – W 00 to W 20, EI 20 – V – X – F – W 00 to W 20
	2:1 ratio (width:depth) & Min. 10		E 45 – V – X – F – W 00 to W 50, EI 20 – V – X – F – W 00 to W 50

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint in timber faced wall

Timber - Concrete or masonry walls ≥100mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall
4. Timber

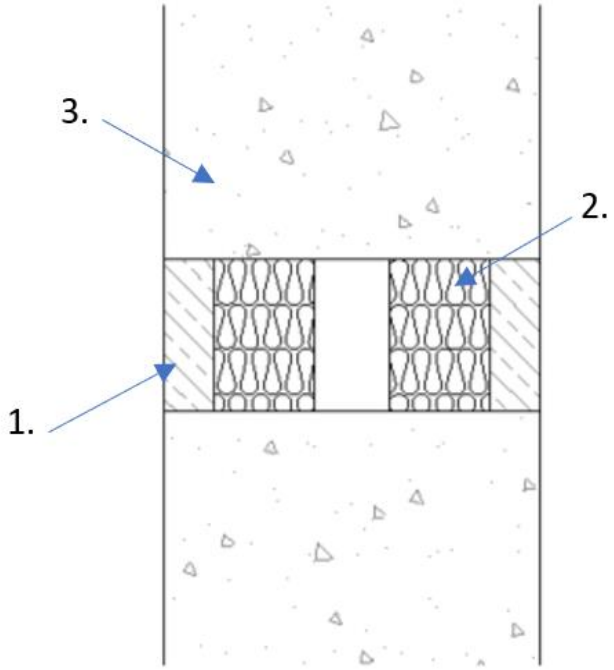
Substrate	Depth (mm)	Backing Material	Classification
Concrete or masonry / timber	2:1 ratio (width:depth) & Min. 10	PE backing rod, glass wool, stone wool or ceramic wool	E 30 – V – X – F – W 00 to W 50, EI 20 – V – X – F – W 00 to W 50
	25		EI 45 – V – X – F – W 00 to W 50

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Rigid Walls Minimum Thickness 150mm

Double sided linear joint seal in wall

Concrete or masonry walls ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Wall

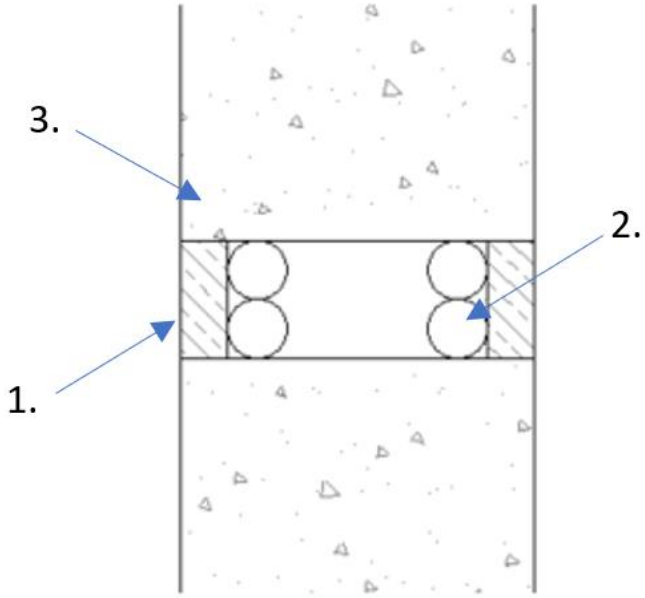
Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	30	Stone wool or ceramic wool (≥40mm ≥45kg/m³)	EI 240 – V – X – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Double sided linear joint seal in wall

Concrete or masonry walls ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Wall

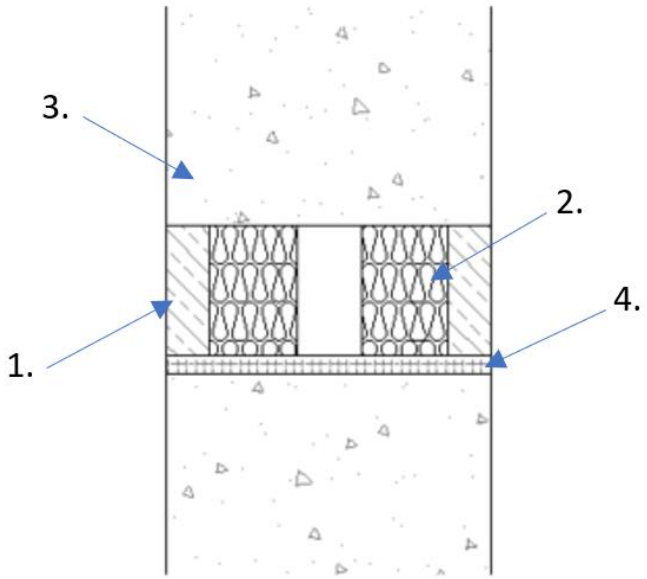
Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	25	PE backing rod, glass wool, stone wool or ceramic wool	EI 240 – V – X – F – W 00 to W 50

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Double sided linear joint seal in steel faced wall

Steel - Concrete or masonry walls ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Wall
4. Steel

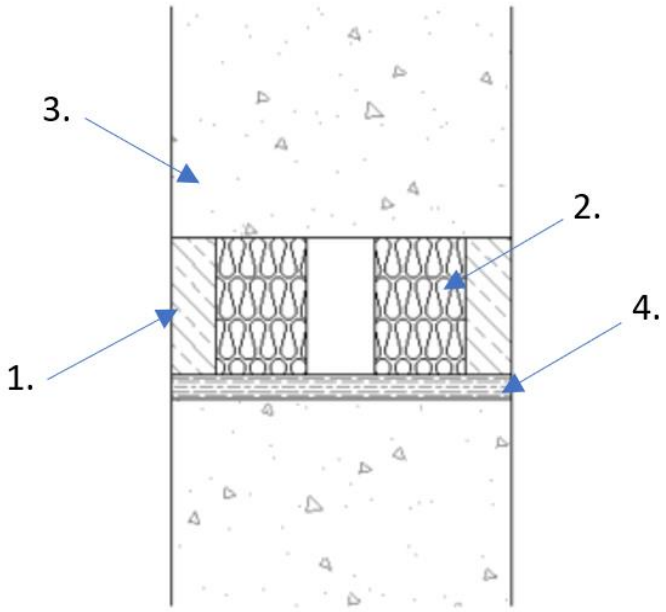
Substrate	Depth (mm)	Backing Material	Classification
Concrete or masonry / steel	30	Stone wool or ceramic wool (≥40mm ≥45kg/m³)	E 240 – V – X – F – W 00 to W 60, EI 60 – V – X – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Double sided linear joint seal in timber faced wall

Timber - Concrete or masonry walls ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Wall
4. Timber

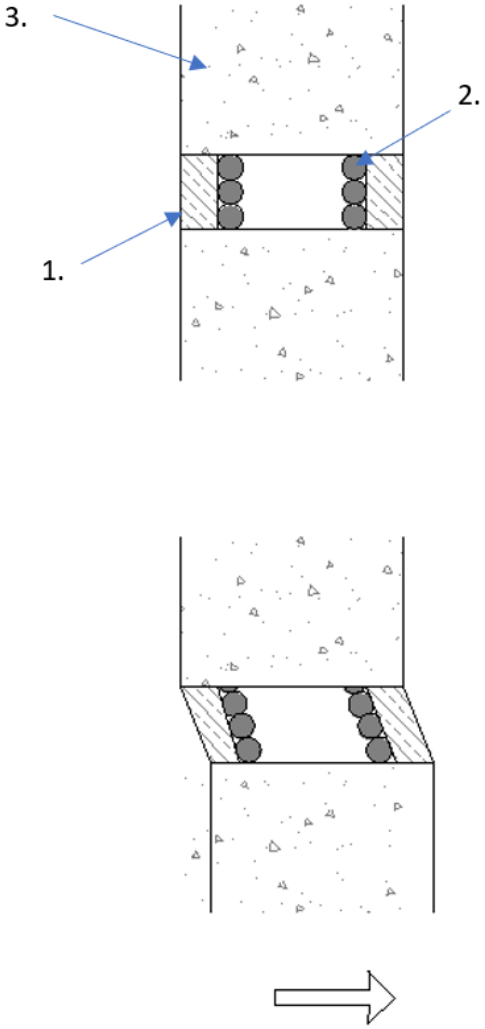
Substrate	Depth (mm)	Backing Material	Classification
Concrete or masonry / timber	30	Stone wool or ceramic wool (≥40mm ≥45kg/m³)	EI 60 – V – X – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Double sided seal in wall with movement

Concrete or masonry walls ≥150mm with a density of ≥650kg/m³



Key

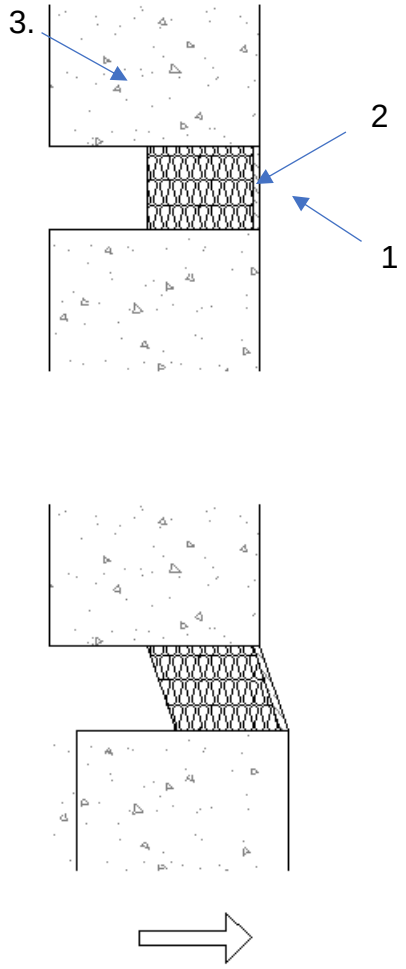
1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Wall

Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	20	PE backing rod, glass wool, stone wool or ceramic wool	E 240 – V – M 25 – F – W 00 to W 60, EI 120 – V – M 25 – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint in wall with movement

<table>
<tr><td colspan="4">Concrete or masonry walls ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

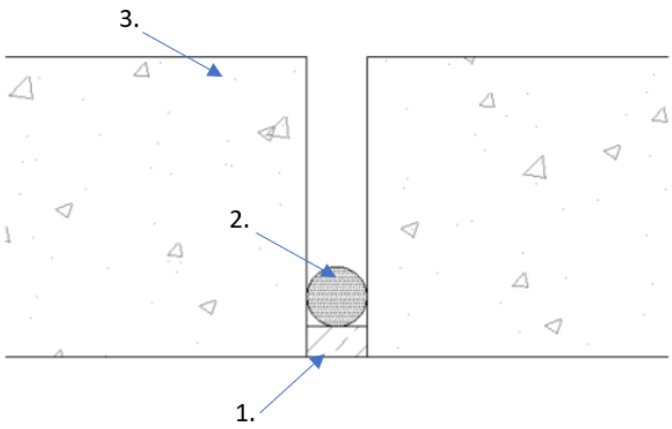
1. Pyrocoustic® Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Wall</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td>Concrete / masonry</td><td>5</td><td>Stone wool or ceramic wool (≥75mm ≥60kg/m³, compressed to 60%)</td><td>E 240 – V – M 25 – F – W 00 to W 60, EI 120 – V – M 25 – F – W 00 to W 60</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Rigid Floors Minimum Thickness 150mm

Single sided linear joint in floor from under side

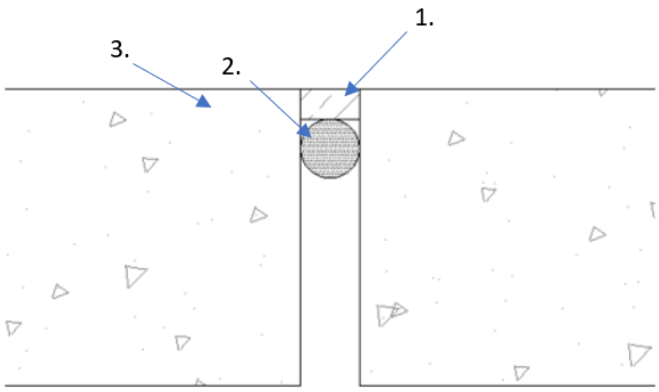
<table>
<tr><td colspan="4">Concrete or masonry floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete / masonry</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>E 240 – H – X – F – W 00 to W 50,
EI 90 – H – X – F – W 00 to W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>E 240 – H – X – F – W 00 to W 50,
EI 45 – H – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint in floor from top side

<table>
<tr><td colspan="4">Concrete or masonry floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

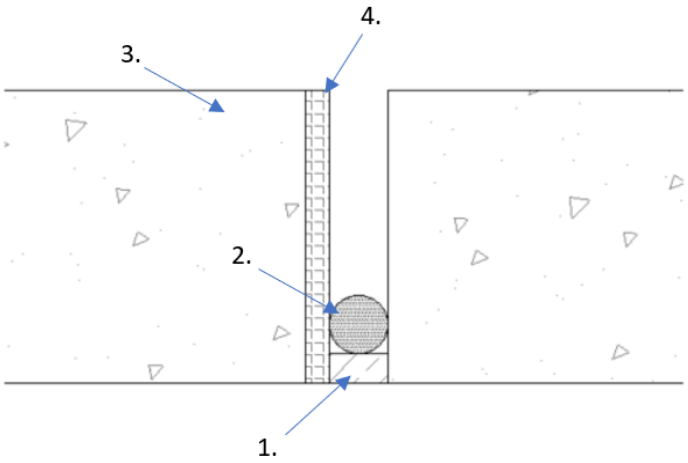
1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete / masonry</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>E 240 – H – X – F – W 00 to W 50,
EI 90 – H – X – F – W 00 to W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>E 240 – H – X – F – W 00 to W 50,
EI 45 – H – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint in steel faced floor from underside

Steel - Concrete or masonry floors ≥150mm with a density of ≥650kg/m³



Key

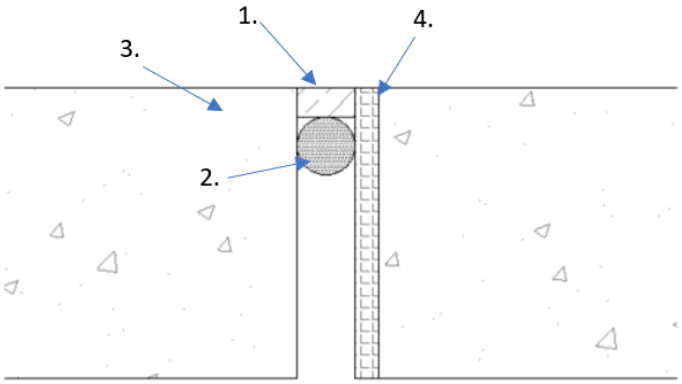
1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor
4. Steel

Substrate	Depth (mm)	Backing Material	Classification
Concrete or masonry / steel	25	PE backing rod, glass wool, stone wool or ceramic wool	E 240 – H – X – F – W 00 to W 50, EI 90 – H – X – F – W 00 to W 50
	2:1 ratio (width:depth) & Min. 10		E 120 – H – X – F – W 00 to W 50, EI 30 – H – X – F – W 00 to W 50

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint in steel faced floor from top side

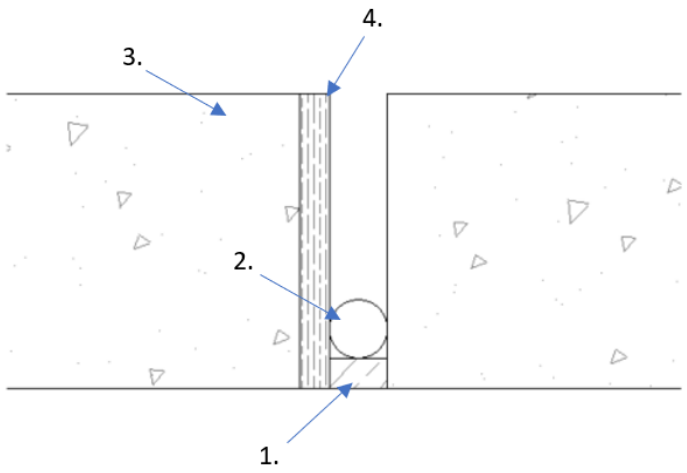
<table>
<tr><td colspan="4">Steel - Concrete or masonry floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor
4. Steel</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete or masonry / steel</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>E 240 – H – X – F – W 00 to W 50,
EI 90 – H – X – F – W 00 to W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>E 120 – H – X – F – W 00 to W 50,
EI 30 – H – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint seal in timber faced floor from underside

<table>
<tr><td colspan="4">Timber - Concrete or masonry floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

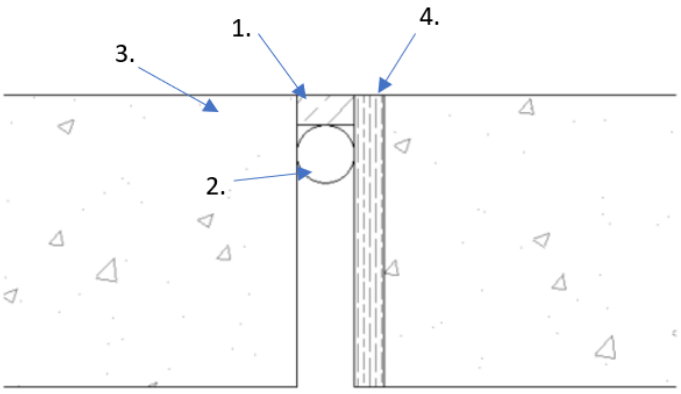
1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor
4. Timber</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete or masonry / timber</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>EI 45 – H – X – F – W 00 to W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>EI 30 – H – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint seal in timber faced floor from top side

Timber - Concrete or masonry floors ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor
4. Timber

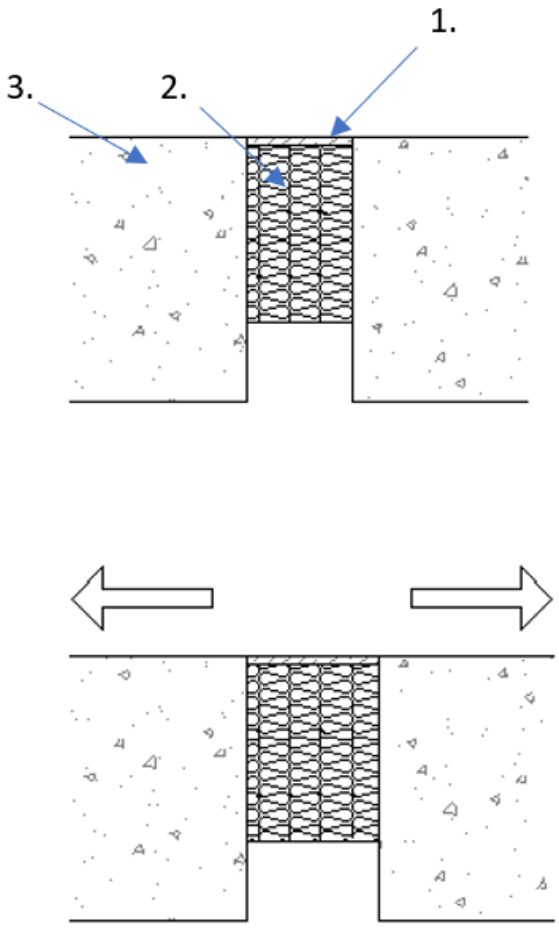
Substrate	Depth (mm)	Backing Material	Classification
Concrete or masonry / timber	25	PE backing rod, glass wool, stone wool or ceramic wool	EI 45 – H – X – F – W 00 to W 50
	2:1 ratio (width:depth) & Min. 10		EI 30 – H – X – F – W 00 to W 50

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided linear joint in floor from top side with movement

Concrete or masonry floors ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor

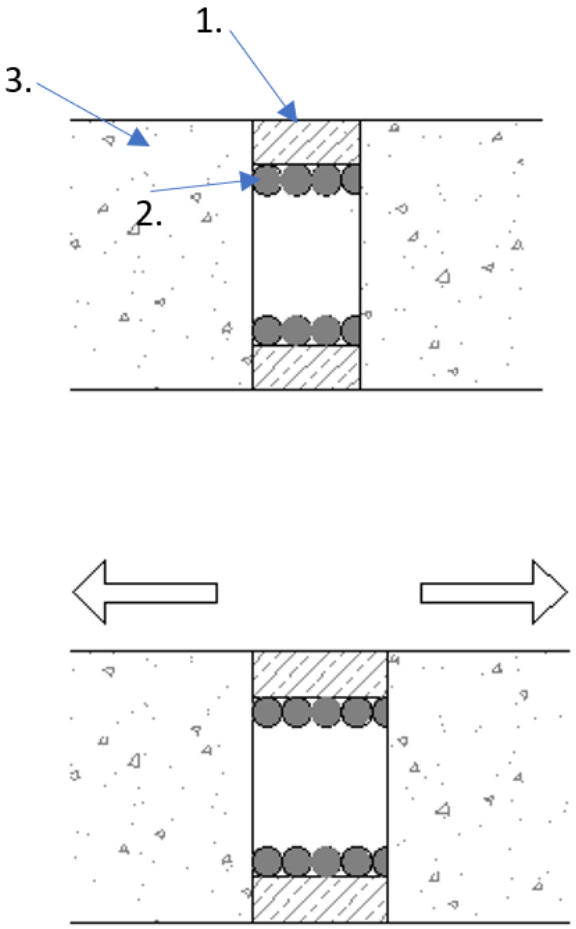
Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	5	Stone wool or ceramic wool (≥100mm ≥60kg/m³, compressed to 60%)	EI 240 – H – M 25 – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Double sided linear joint seal in floor with movement

Concrete or masonry floors ≥150mm with a density of ≥650kg/m³



Key

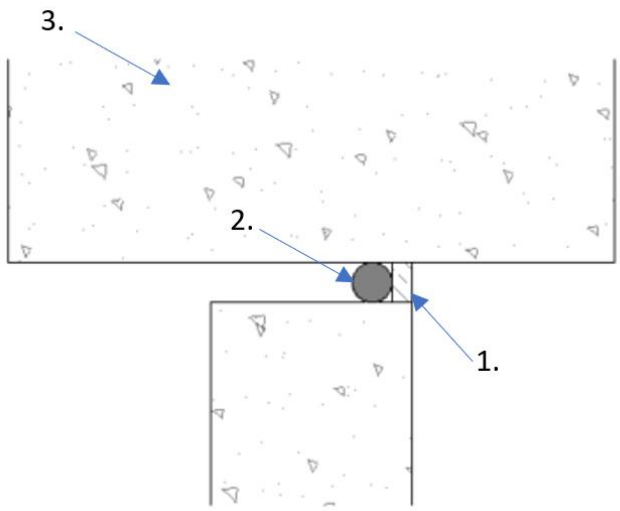
1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor

Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	20	PE backing rod, glass wool, stone wool or ceramic wool	E 240 – H – M 17 – F – W 00 to W 60, EI 60 – H – M 17 – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Head of Wall Minimum Thickness 150mm

Single sided head of wall joint in floor

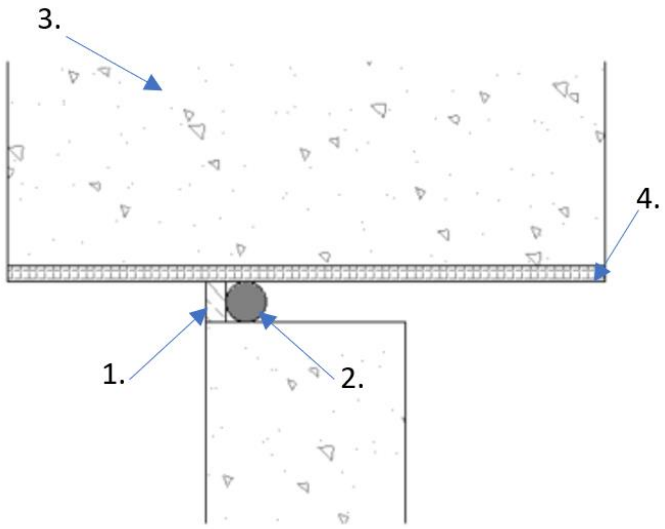
<table>
<tr><td colspan="4">Concrete or masonry walls & floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

1. Pyrocoustic® Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Floor</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete / masonry</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>E 240 – T – X – F – W 00 to W 50,
EI 90 – T – X – F – W 00 to W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>E 240 – T – X – F – W 00 to W 50,
EI 45 – T – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided head of wall joint with steel face

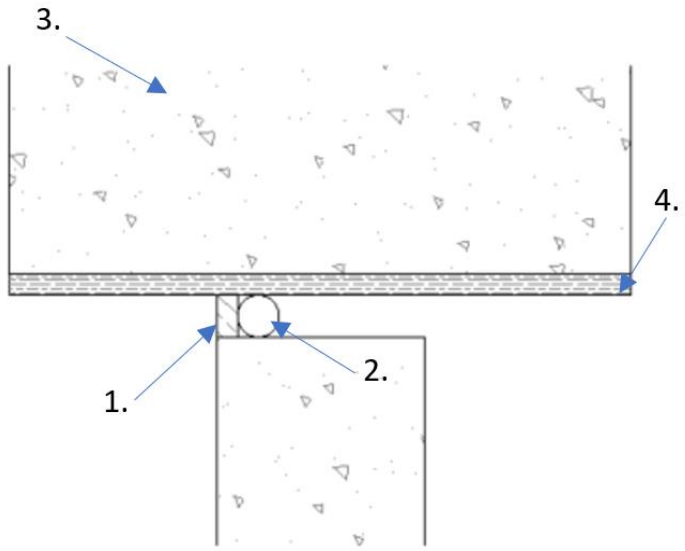
<table>
<tr><td colspan="4">Steel - Concrete or masonry walls & floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

1. Pyrocoustic® Sealant Installed Either Side of Wall
2. Backing Material
3. Rigid Floor
4. Steel</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete or masonry / steel</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>E 240 – T – X – F – W 50,
EI 90 – T – X – F – W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>E 240 – T – X – F – W 00 to W 50,
EI 30 – T – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single sided head of wall joint in timber face

<table>
<tr><td colspan="4">Timber - Concrete or masonry walls & floors ≥150mm with a density of ≥650kg/m³</td></tr>
<tr><td colspan="3"> 
</td><td>Key

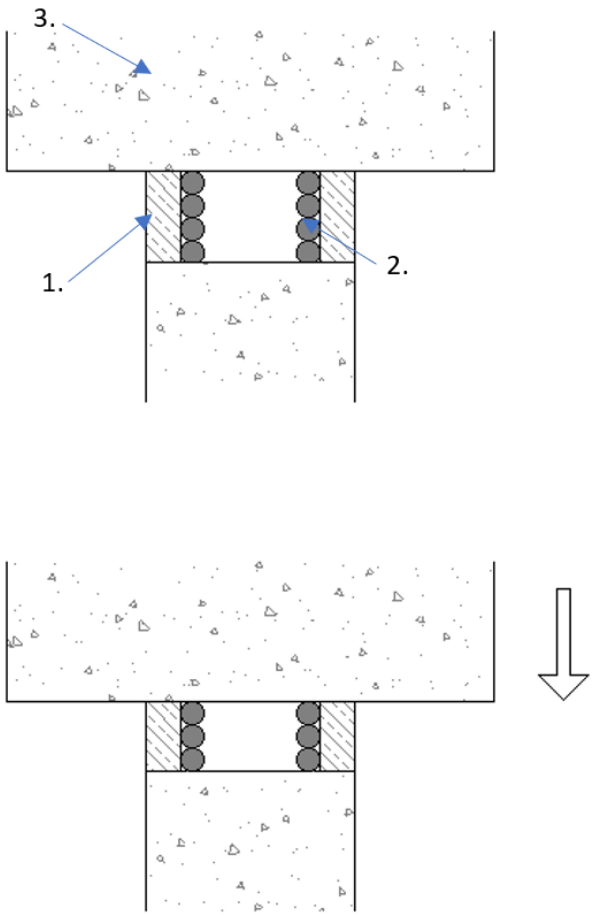
1. Pyrocoustic® Sealant Installed Either Side of Wall

2. Backing Material
3. Rigid Floor
4. Timber</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td rowspan="2">Concrete or masonry / timber</td><td>25</td><td rowspan="2">PE backing rod, glass wool, stone wool or ceramic wool</td><td>EI 45 – T – X – F – W 00 to W 50</td></tr>
<tr><td>2:1 ratio (width:depth) & Min. 10</td><td>EI 30 – T – X – F – W 00 to W 50</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Double sided head of wall joint with movement

Concrete or masonry walls & floors ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor

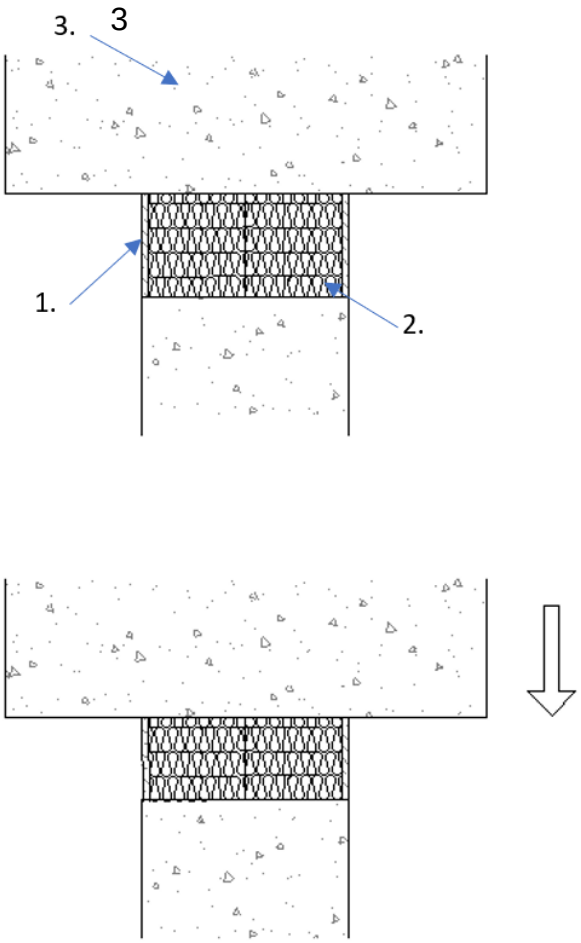
Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	20	PE backing rod, glass wool, stone wool or ceramic wool	E 240 – T – M 17 – F – W 00 to W 60, EI 60 – T – M 17 – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Double sided head of wall joint with movement

Concrete or masonry walls & floors ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Rigid Floor

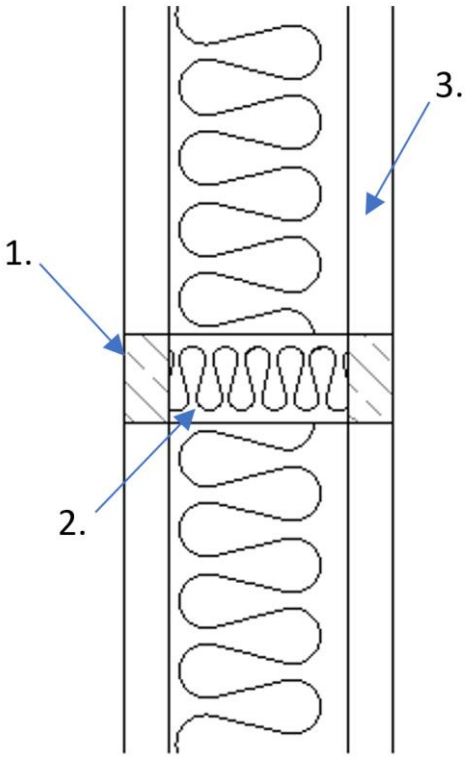
Substrate	Depth (mm)	Backing Material	Classification
Concrete / masonry	5	Stone wool or ceramic wool (≥70mm (x2) ≥60kg/m³, compressed to 60%)	EI 240 – T – M 25 – F – W 00 to W 60

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Flexible or Rigid Walls Minimum Thickness 75mm

Double sided linear joint in wall

Flexible or Rigid Walls ≥75mm



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Flexible wall

Substrate	Depth (mm)	Backing Material	Classification
Flexible / Flexible	12.5	Stone wool or ceramic wool (50mm 45kg/m³)	E 60 – V – X – F – W 00 to W 25, EI 45– V – X – F – W 00 to W 25
Masonry / masonry			

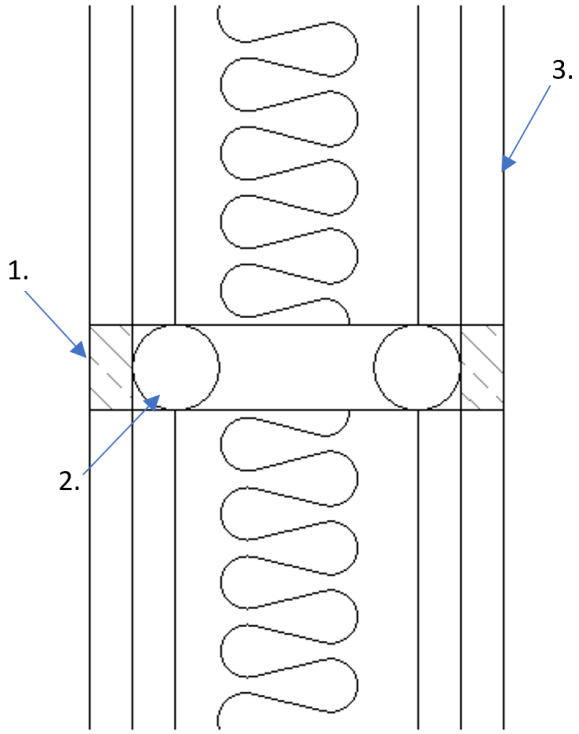
UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Flexible or Rigid Walls Minimum Thickness 120mm

Double sided linear joint in wall

Flexible or Rigid Walls ≥120mm



Key

1. Pyrocoustic® Sealant
2. Backing Material
3. Flexible Wall

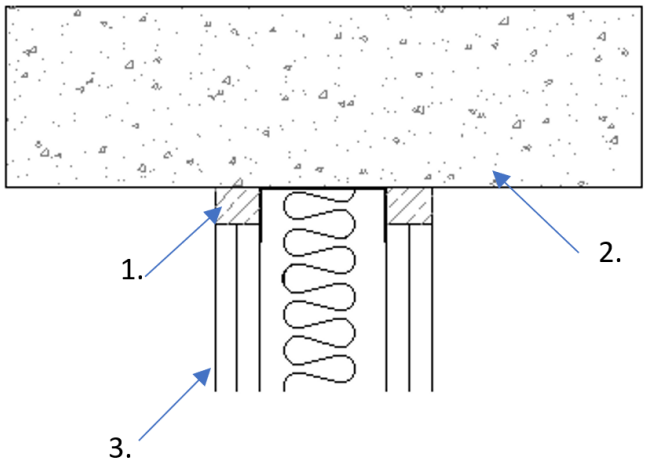
Substrate	Depth (mm)	Backing Material	Classification
Flexible / Flexible	12.5	PE backing rod, glass wool, stone wool or ceramic wool	EI 120 – V – X – F – W 00 to W 20
Masonry / masonry			

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Flexible Head of Walls Minimum Thickness 120mm

Double sided head of wall joint

<table>
<tr><td colspan="4">Flexible or Rigid Walls ≥120mm</td></tr>
<tr><td colspan="3"> 
</td><td>Key

1. Pyrocoustic® Sealant
2. Rigid Floor
3. Flexible Wall</td></tr>
<tr><td>Substrate</td><td>Depth (mm)</td><td>Backing Material</td><td>Classification</td></tr>
<tr><td>Flexible / concrete</td><td rowspan="2">25</td><td rowspan="2">Steel head track</td><td rowspan="2">EI 120 – T – X – F – W 00 to W 20</td></tr>
<tr><td>Masonry / concrete</td></tr>
</table>

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

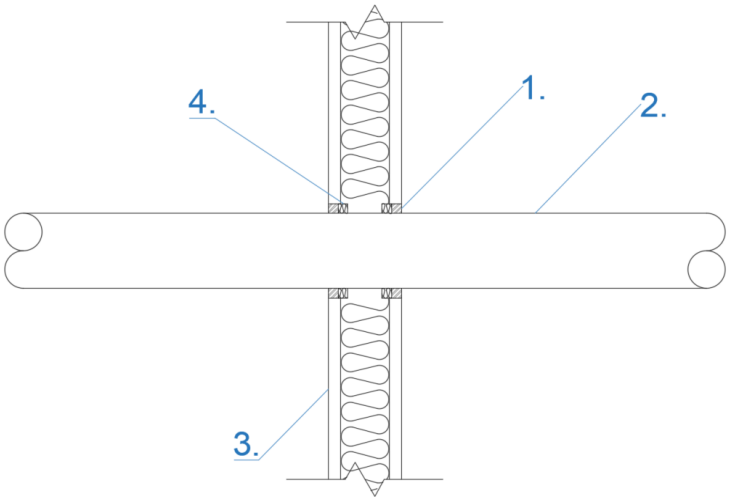
Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Penetration Seals

Flexible or Rigid Walls Minimum Thickness 75mm

Metallic pipes

Flexible or Rigid Walls ≥75mm Lined/Unlined – Insulated/Uninsulated



Key

1. Pyrocoustic® Sealant
2. Metallic Pipe
3. Flexible Wall
4. Backing Material

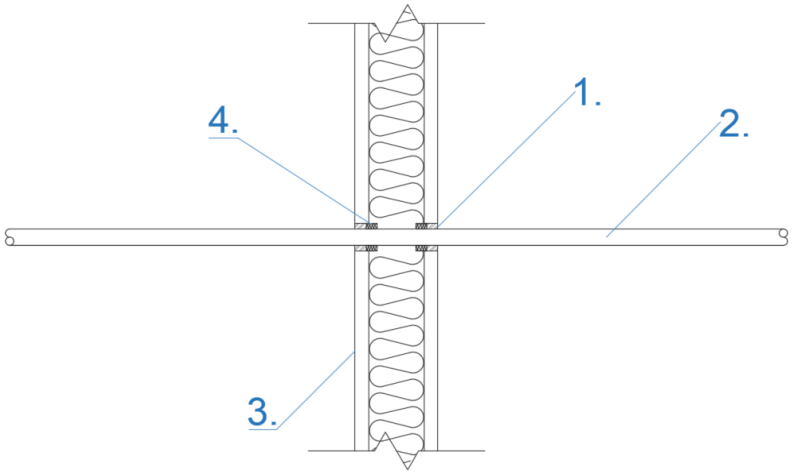
Penetration Service	Depth (mm)	Annular (mm)	Backing Material	Classification
Copper pipe ≤15mm Ø, 0.7 – 14.2mm wall thickness	12	5-10	Stone wool or ceramic wool (≥10mm ≥45kg/m³)	E 90 C/U, C/C, EI 60 C/U, C/C
Copper/Steel pipe 15 – 54mm Ø, 1.2 – 14.2mm wall thickness				E 90 C/U, C/C
Steel pipe 15mm Ø, 1 – 14.2mm wall thickness				EI 90 C/U, C/C
Steel pipe 15 - 76mm Ø, 2 – 14.2mm wall thickness				E 90 C/U, C/C, EI 20 C/U, C/C
Steel pipe 325mm Ø, 17.5mm wall thickness, insulated with stone wool ≥40mm thick, ≥45kg/m³ (LI) min. 400mm length to both faces	10	25 (0 distance from aperture edge)	PE backing rod, glass wool, stone wool or ceramic wool	E 60 C/U, C/C, EI 30 C/U, C/C

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Single cables

Flexible or Rigid Walls ≥75mm Lined/Unlined – Insulated/Uninsulated



Key

1. Pyrocoustic® Sealant
2. Single Cable
3. Flexible Wall
4. Backing Material

Penetration Service	Depth (mm)	Maximum Aperture Size (mm)	Backing Material	Classification
D1 cable*	10	100 Ø	PE backing rod, glass wool, stone wool or ceramic wool	E 60, EI 45
B cable*	12	25 Ø	Stone wool or ceramic wool (10mm 45kg/m³)	E 90, EI 60

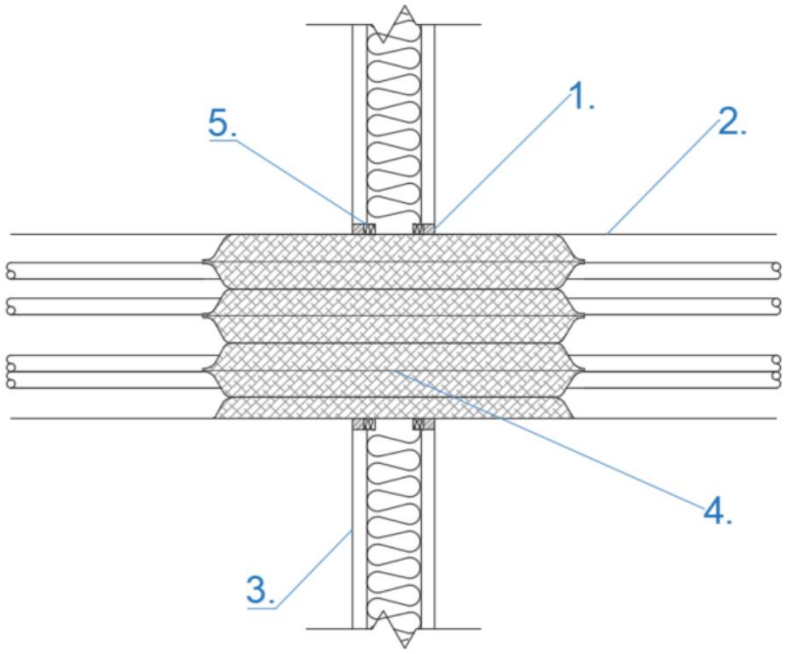
* As defined in EN 1366-3: 2009, Annex A

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Cable trunking

Flexible or Rigid Walls ≥75mm – Lined/Unlined – Insulated/Uninsulated



Key

1. Pyrocoustic® Sealant
2. Metal Trunking Filled with Cables
3. Flexible Wall
4. S-Line Pillows
5. Backing Material

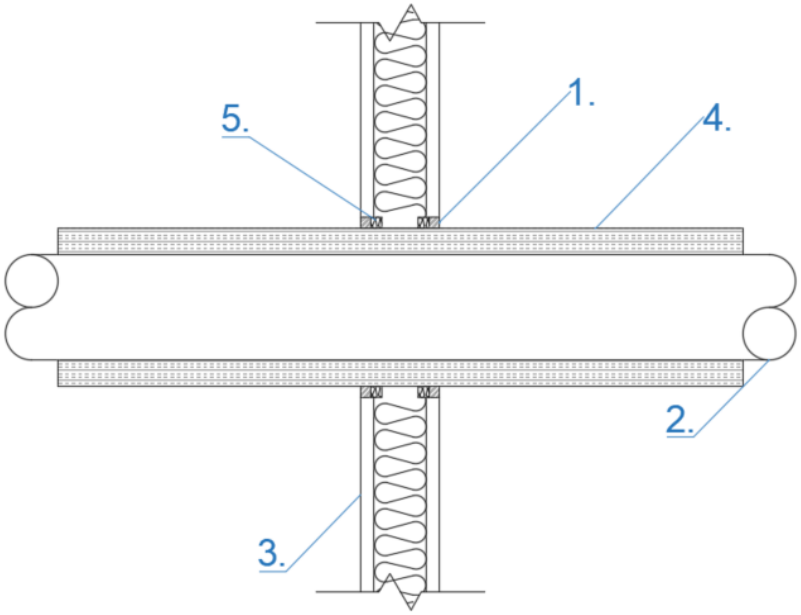
Penetration Service	Depth (mm)	Maximum Aperture Size (mm)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Steel trunking up to 150mm x 150mm	10	170 x 170	PE backing rod, glass wool, stone wool or ceramic wool	0	E 60, EI 20
Steel trunking up to 50mm x 50mm	10	70 x 70	PE backing rod, glass wool, stone wool or ceramic wool	0	E 60, EI 45

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Insulated metallic pipes

Flexible or Rigid Walls ≥75mm – Lined/Unlined – Insulated/Uninsulated



Key

1. Pyrocoustic® Sealant
2. Metal Pipe
3. Flexible Wall
4. Stone Wool Insulation
5. Backing Material

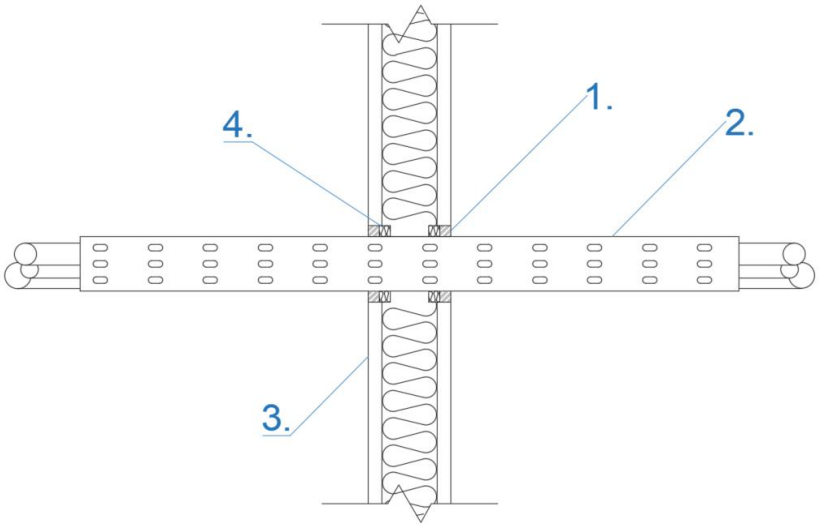
Penetration Service	Depth (mm)	Maximum Annular (mm)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Copper/Steel Pipe 159mm Ø, 2-14.2mm wall thickness insulated with stone wool ≥50mm thick, ≥90kg/m³ (C/S)	10	10	PE backing rod, glass wool, stone wool or ceramic wool	0	E 60 C/U, C/C, EI 45 C/U, C/C

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Cable trays

Flexible or Rigid Walls ≥75mm – Lined/Unlined – Insulated/Uninsulated



Key

1. Pyrocoustic® Sealant
2. Cable Tray
3. Flexible Wall
4. Backing Material

Penetration Service	Depth (mm)	Maximum Aperture Size (mm) (h x w)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Steel cable tray ≤450mm wide loaded with cables ≤21mm Ø + C1, C2, C3 cables*	10	470 x 100	PE backing rod, glass wool, stone wool or ceramic wool	0	E 60, EI 20
Steel cable tray ≤450mm wide loaded with cables ≤21mm Ø + C1, C2, C3 cables*with insulation ≤40mm thick ≤45kg/m³, ≤400mm either side of the wall (L/I)	10	470 x 100	PE backing rod, glass wool, stone wool or ceramic wool	0	EI 45

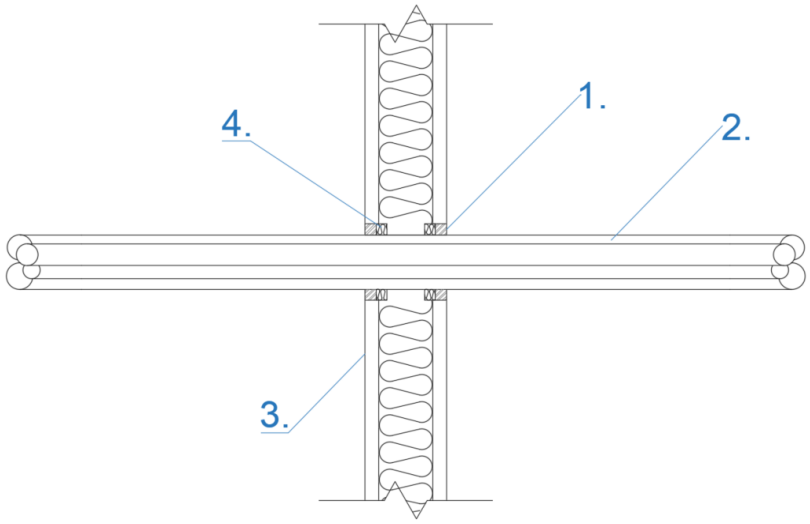
* As defined in EN 1366-3: 2009, Annex A

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Cable bunches

Flexible or Rigid Walls ≥75mm – Lined/Unlined – Insulated/Uninsulated



Key

1. Pyrocoustic® Sealant
2. Single Bunch
3. Flexible Wall
4. Backing Material

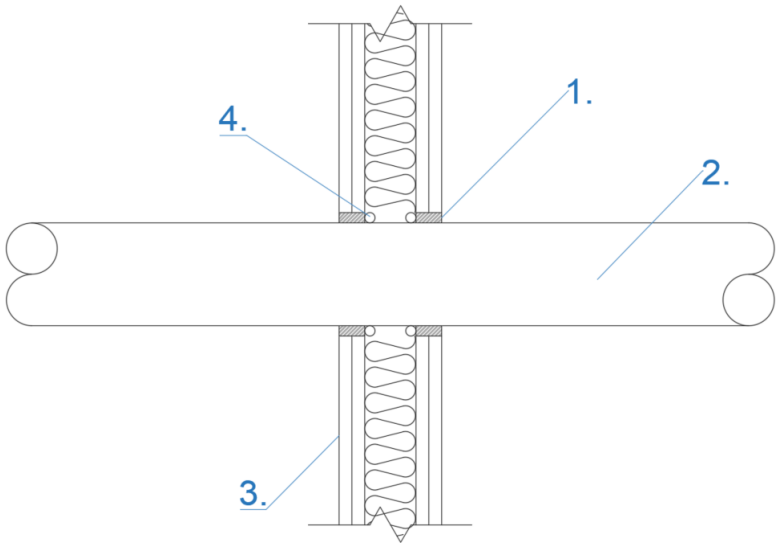
Penetration Service	Depth (mm)	Maximum Aperture Size (mm)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Telecoms cables ≤21mm Ø in cable bunch ≤100mm Ø	10	120 Ø	PE backing rod, glass wool, stone wool or ceramic wool	0	E 60, EI 45

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Flexible or Rigid Walls Minimum Thickness 100mm

Metallic pipes

Flexible or Rigid Walls ≥100mm



Key

1. Pyrocoustic® Sealant
2. Metallic Pipe
3. Flexible Wall
4. Backing Material

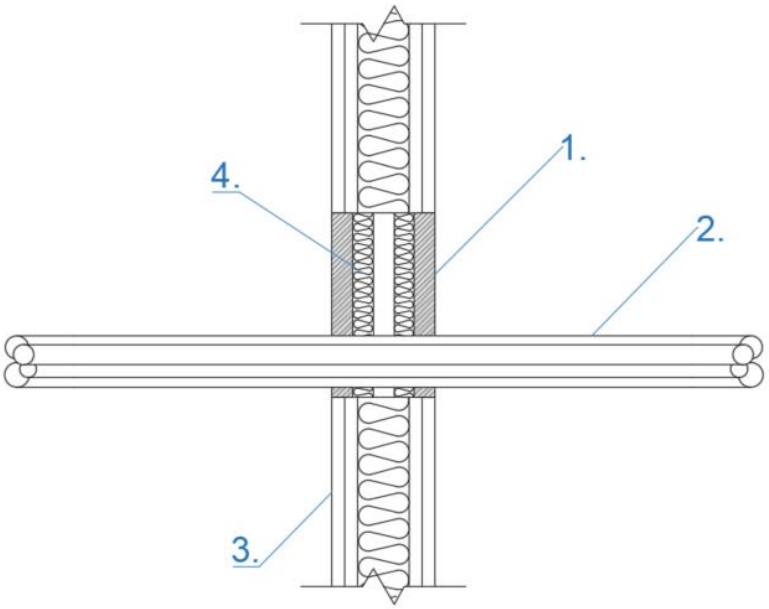
Penetration Service	Depth (mm)	Annular (mm)	Backing Material	Classification
Steel pipe 42mm Ø, 2.8 – 14.2mm wall thickness	25	10	PE backing rod, glass wool, stone wool or ceramic wool	E 120 C/U, C/C, EI 45 C/U, C/C
Steel pipe 42 – 114mm Ø, 3 – 14.2mm wall thickness				E 120 C/U, C/C, EI 20 C/U, C/C

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Cables and conduits

Flexible or Rigid Walls ≥100mm – Lined/Unlined – Insulated



Key

1. Pyrocoustic® Sealant
2. Cables
3. Flexible Wall
4. Backing Material

Penetration Service	Depth (mm)	Maximum Aperture Size (mm)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Cable bunch ≤100mm Ø	20	180 x 180	Stone wool or ceramic wool (20mm 45kg/m³)	10	EI 120
PVC conduits ≤16mm Ø					EI 120
Steel/Copper conduits ≤16mm Ø					E 120, EI 20
Cables ≤50mm Ø					E 90, EI 60
Cables ≤21mm Ø					EI 120

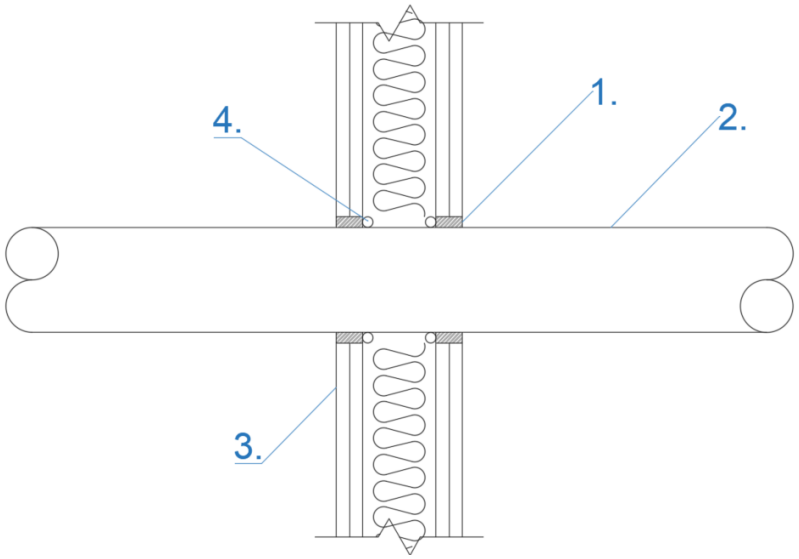
UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Flexible or Rigid Walls Minimum Thickness 120mm

Metal pipes

Flexible or Rigid Walls ≥120mm – Lined/Unlined – Insulated



Key

1. Pyrocoustic® Sealant
2. Metal Pipe
3. Flexible Wall
4. Backing Material

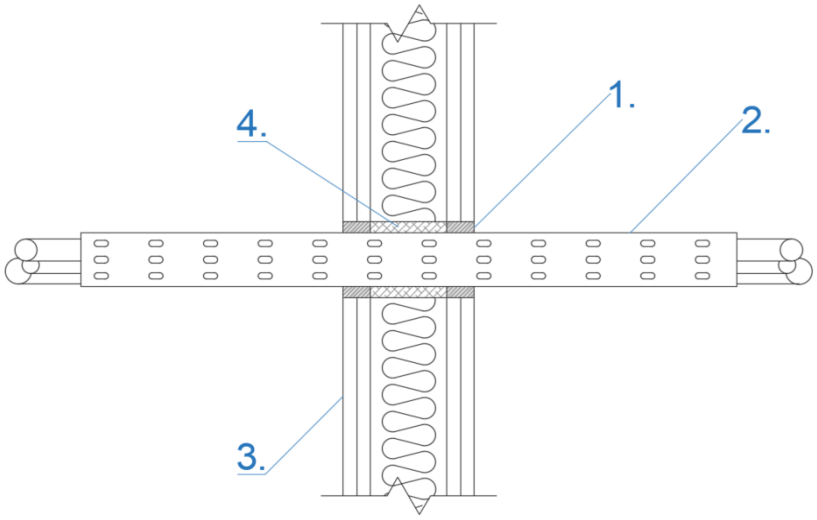
Penetration Service	Depth (mm)	Annular Space (mm)	Backing Material	Classification
Copper/Steel pipe 15-40mm Ø, 0.8 – 14.2mm wall thickness	25	10	PE backing rod, glass wool, stone wool or ceramic wool	E 120 C/U, C/C, EI 15 C/U, C/C
Copper/Steel pipe 40-159mm Ø, 1.8 – 14.2mm wall thickness				E 120 C/U, C/C
Copper/Steel pipe 40mm Ø, 0.8 – 14.2mm wall thickness insulated with FSi TDW to both sides of the wall at 300mm (L/I)				E 120 C/U, C/C, EI 90 C/U, C/C
Copper/Steel pipe 40-159mm Ø, 1.8 – 14.2mm wall thickness insulated with FSi TDW to both sides of the wall at 300mm (L/I)				E 120 C/U, C/C, EI 20 C/U, C/C

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Cable trays

Flexible or Rigid Walls ≥120mm – Lined/Unlined – Insulated



Key

1. Pyrocoustic® Sealant
2. Cable Tray/Cables
3. Flexible Wall
4. Backing Material

Penetration Service	Depth (mm)	Maximum Aperture Size (mm) (w x h)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Steel cable tray ≤450mm wide loaded with cables ≤21mm Ø	25	490 x 100	Stone wool or ceramic wool (≥35mm ≥80kg/m³)	20	E 120, EI 90
C1, C2, D1 and D2 Cables*	25	200 x 100	PE backing rod, glass wool, stone wool or ceramic wool	20	E 90, EI 60

* As defined in EN 1366-3: 2009, Annex A

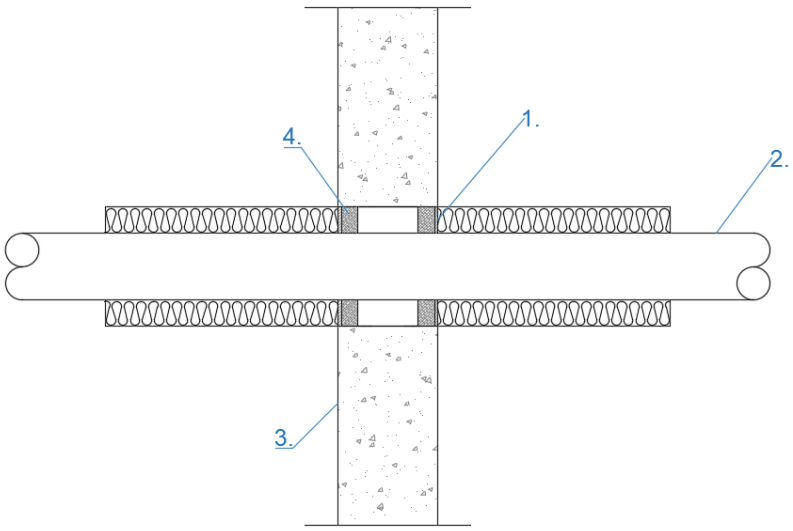
UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Rigid walls Minimum Thickness 150mm

Metal pipes

Rigid Walls ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Metal Pipe
3. Rigid Wall
4. Backing Material

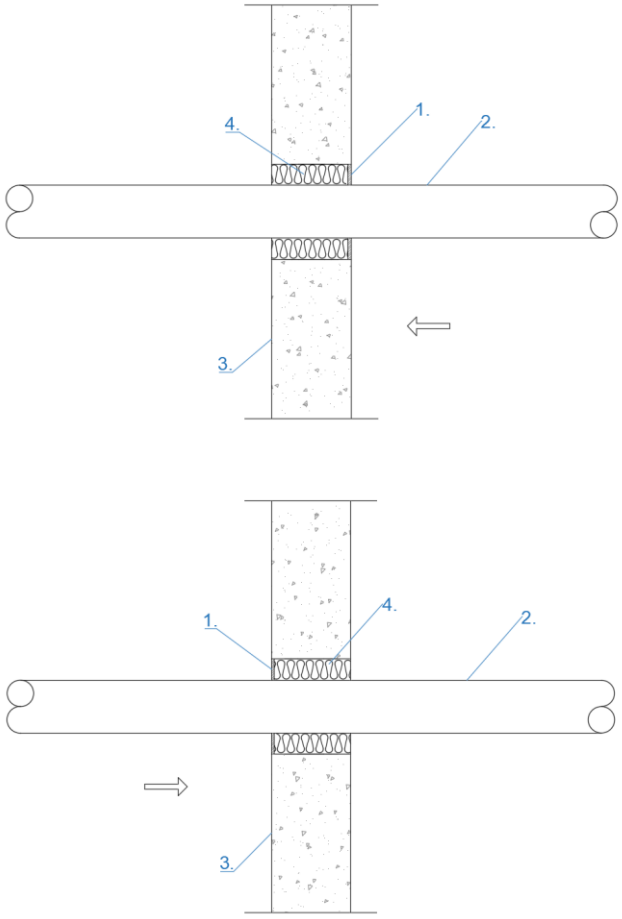
Penetration Service	Depth (mm)	Maximum Aperture Size	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Copper/Steel pipe 35 -159mm Ø, 2 – 14.2mm wall thickness insulated with stone wool 50mm thick 100kg/m³ (C/I)	5	Pipe Ø + 55mm	PE backing rod, glass wool, stone wool or ceramic wool	0	EI 240 C/U, C/C

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Metal pipes with single sided access

Rigid Walls ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Metal Pipe
3. Rigid Wall
4. Backing Material

Penetration Service	Depth (mm)	Maximum Aperture Size	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Steel pipe 40 -152mm Ø, 2.5 – 14.2mm wall thickness	6	Pipe Ø + 50mm	Stone wool or ceramic wool (≥144mm ≥80kg/m³)	0	E 240 C/C
Steel pipe 40mm Ø, 1.5 – 14.2mm wall thickness	6	Pipe Ø + 50mm	Stone wool or ceramic wool (≥144mm ≥80kg/m³)	0	E 240 C/C, EI 120 C/C

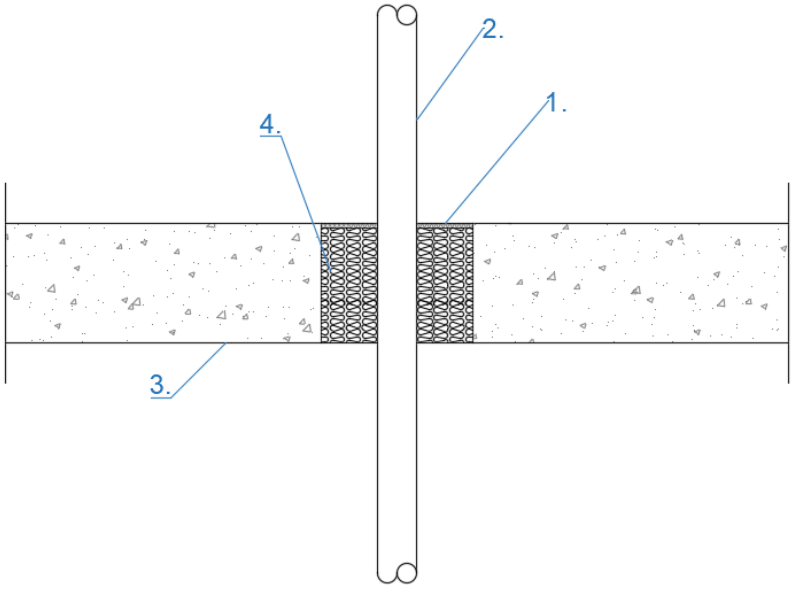
UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Rigid Floors Minimum Thickness 150mm

Metal pipes

Rigid Floors ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Metal Pipe
3. Rigid Floor
4. Backing Material

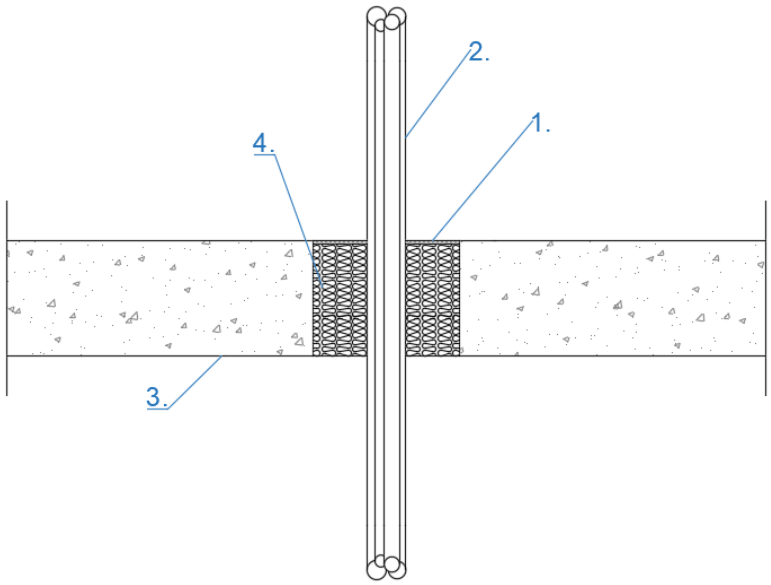
Penetration Service	Depth (mm)	Maximum Aperture Size (mm)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Copper/Steel pipe 42 – 159mm Ø, 1 – 14.2mm wall thickness	5	200 x 200	Stone wool or ceramic wool (≥145mm ≥45kg/m³)	20	E 180 C/U, C/C
Copper/Steel pipe 42mm Ø, 1 – 14.2mm wall thickness					E 240 C/U, C/C

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

Appendix UL-EU CERTIFICATE UL-EU-00500-EN

Cables

Rigid Floors ≥150mm with a density of ≥650kg/m³



Key

1. Pyrocoustic® Sealant
2. Cables
3. Rigid Floor
4. Backing Material

Penetration Service	Depth (mm)	Maximum Aperture Size (mm)	Backing Material	Minimum Distance to Edge of Aperture (mm)	Classification
Telecoms cables ≤21mm Ø in cable bunch ≤100mm Ø	5	200 x 200	Stone wool or ceramic wool (≥145mm ≥45kg/m³)	0	E 45, EI 15
PVC conduits ≤16mm Ø					E 45, EI 15
Steel/Copper conduits ≤16mm Ø					E 45, EI 15
Cables ≤80mm Ø					E 90, EI 45
Cables ≤50mm Ø					E 90, EI 45
Cables ≤21mm Ø					E 240, EI 90

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom

The UL-EU Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible. The following is suggested.

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 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.

UL International (UK) Limited
Unit 1-4 Horizon, Kingsland Business Park, Wade Rd.,
Basingstoke. RG24 8AH United Kingdom