

# UL-EU CERTIFICATE

**Certificate No.** UL-EU-01022-CPR  
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**Date of Issue** 2016-05-27  
**Revision** 2022-06-13

**Certificate Holder** FSi Ltd  
Westminster Industrial Estate  
Tamworth Rd  
Measham  
DE12 7DS  
United Kingdom

**Manufacturer** A/008

**Certified Product Type** Fire Stop – Pipe Wrap  
**Product Trade Name** PipeBloc PWP  
**Trademark** N/A  
**Rating/Classification** See Appendix

**Harmonised Technical Specifications** ETAG 026-2 / EN 13501-2 / EN 13501-1  
**Expiry date** 2026-05-26



A handwritten signature in purple ink, appearing to read 'Chris Miles', is written over a horizontal line.

**Authorized Certification Decision Maker**  
Chris Miles

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shall remain valid through the Expiration date, unless a Standard identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.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 PipeBloc PWP for fire stopping where services penetrate floors and walls. The detailed scope is given in pages 3 to 16 of this Certificate. This shows the thickness and acceptable dimensions, substrates and orientations required to provide fire resistance periods of up to 240 minutes (EI 240).

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 1366-3: 2009
- iii) Classification in accordance with EN 13501-2
- iv) Classification in accordance with EN 13501-1
- v) Durability and Servicability as defined in ETAG 026-2

The durability class of PipeBloc PWP is X - intended for use in conditions exposed to weathering (includes all lower classes).



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Product-type: Pipe Wrap		Intended use: Penetration Seal
Assessment method	Essential characteristic	Product Performance
<b>BWR 2 Safety in case of fire</b>		
EN 13501-1	Reaction to fire	Class E
EN 13501-2	Resistance to fire	See page 4 - 16
<b>BWR 3 Hygiene, health and 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 category IA1, S/W2 Declaration of manufacturer
<b>BWR 4 Safety 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	X
<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



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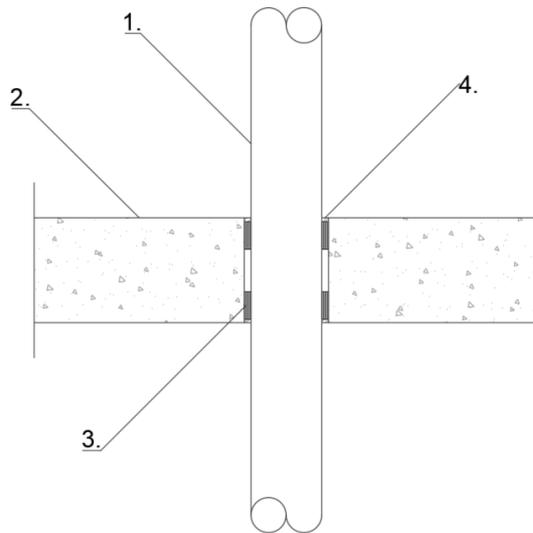
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Floors

Rigid Floors Minimum Thickness 150 mm

Plastic pipes

Rigid Floors  $\geq 150$  mm



**Key**

- 1. Plastic Pipe
- 2. Rigid floor
- 3. Pipebloc PWP
- 4. Pyrocoastic Sealant

Penetration Service	Annular Space (mm)	Distances (mm)	Installation	Classification
PVC-U, PVC-C <sup>(1)</sup> – See 3.1.1, Graph 1 for scope	≤ 10 depending on product size	Edge – 10 Penetration Service ≥ 100	Pipebloc PWP fit into topside and underside of the floor recessed by 5mm. Pyrocoastic Sealant applied to topside and underside of the floor sealing in the wrap	EI 120 U/C, C/C
PVC-U, PVC-C <sup>(1)</sup> – See 3.1.2, Graph 2 for scope				EI 60 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.1.5, Graph 5 for scope				EI 120 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.1.6, Graph 6 for scope				EI 120 U/C, C/C
PP <sup>(3)</sup> – See 3.1.3, Graph 3 for scope				EI 120 U/C, C/C
PP <sup>(3)</sup> – See 3.1.4, Graph 4 for scope				EI 15 – U/C, C/C

All services supported with pipe supports at 400 mm from the upper face of the floor.

<sup>(1)</sup> PVC-U pipe according to EN 1329-1, EN 1452-1 and EN 1453-1 and PVC-C according to EN 1566-1

<sup>(2)</sup> PE pipe according to EN 1519-1, EN 12201-2 and EN 12006-1, ABS according to EN 1455-1 and pipes made from SAN+PVC according to EN 1565-1

<sup>(3)</sup> PP pipe according to EN 1852-1: 2009

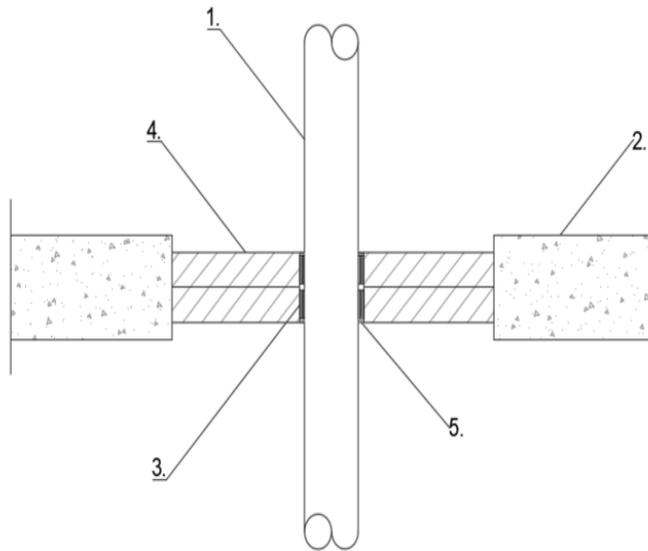


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Plastic pipes in Stopseal Batt

Rigid Floors  $\geq 150$  mm



Key

1. Plastic Pipe
2. Rigid floor
3. Pipebloc PWP
4. Stopseal Batt
5. Pyrocoustic Sealant

Penetration Service	Opening Size (mm)	Distances (mm)	Installation	Classification
PVC-U, PVC-C <sup>(1)</sup> – See 3.1.1, Graph 1 for scope	$\leq 1500 \times 1100$	Edge $\geq 0$ Penetration Service $\geq 0$	Pipebloc PWP fit into topside and underside of the floor recessed by 5mm. Friction fit Stopseal Batt into aperture around Pipebloc PWP. Pyrocoustic Sealant applied to topside and underside of the floor sealing in the wrap	EI 60 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.1.5, Graph 5 for scope				
PP <sup>(3)</sup> – See 3.1.3, Graph 3 for scope				

All services supported with pipe supports at 400 mm from the upper face of the floor.

<sup>(1)</sup> PVC-U pipe according to EN 1329-1, EN 1452-1 and EN 1453-1 and PVC-C according to EN 1566-1

<sup>(2)</sup> PE pipe according to EN 1519-1, EN 12201-2 and EN 12006-1, ABS according to EN 1455-1 and pipes made from SAN+PVC according to EN 1565-1

<sup>(3)</sup> PP pipe according to EN 1852-1: 2009



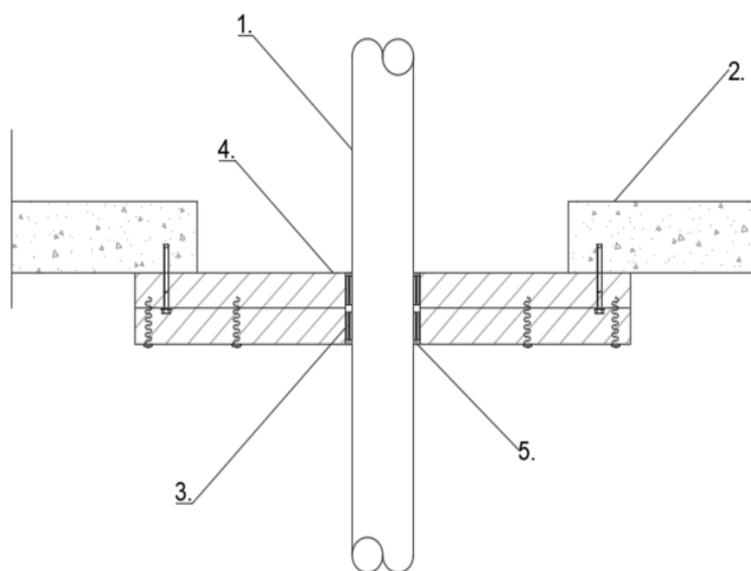
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Rigid Floors Minimum Thickness 100 mm

Plastic pipes in Stopseal Batt

Rigid Floors  $\geq 100$  mm



### Key

1. Plastic Pipe
2. Rigid floor
3. Pipebloc PWP
4. Stopseal Batt
5. Pyrocoustic Sealant

Penetration Service	Opening Size (mm)	Distances (mm)	Installation	Classification
PVC-U, PVC-C <sup>(1)</sup> – See 3.1.1, Graph 1 for scope	$\leq 1300 \times 1000$	Edge $\geq 0$ Penetration Service $\geq 0$	Pipebloc PWP fit into topside and underside of the floor recessed by 5mm. Pattress fit Stopseal Batt on to aperture around Pipebloc PWP. Pyrocoustic Sealant applied to topside and underside of the floor sealing in the wrap	EI 60 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.1.5, Graph 5 for scope				
PP <sup>(3)</sup> – See 3.1.3, Graph 3 for scope				

All services supported with pipe supports at 400 mm from the upper face of the floor.

<sup>(1)</sup> PVC-U pipe according to EN 1329-1, EN 1452-1 and EN 1453-1 and PVC-C according to EN 1566-1

<sup>(2)</sup> PE pipe according to EN 1519-1, EN 12201-2 and EN 12006-1, ABS according to EN 1455-1 and pipes made from SAN+PVC according to EN 1565-1

<sup>(3)</sup> PP pipe according to EN 1852-1: 2009



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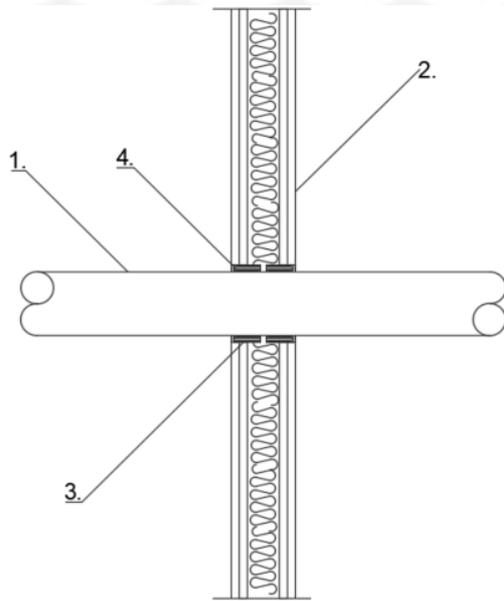
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Walls

Flexible or Rigid Walls Minimum Thickness 100 mm

Plastic pipes

Flexible or rigid walls  $\geq 100$  mm



**Key**

- 1. Plastic Pipe
- 2. Flexible Wall
- 3. Pipebloc PWP
- 4. Pyrocoustic Sealant

Penetration Service	Opening Size (mm)	Distances (mm)	Installation	Classification
PVC-U, PVC-C <sup>(1)</sup> – See 3.2.1, Graph 7 for scope	As required by dimensions of Pipebloc PWP	Penetration Service $\geq 100$	Pipebloc PWP fit into both sides of the wall recessed by 5 mm. Pyrocoustic Sealant applied to each face of the wall sealing in the wrap.	EI 90 U/C, C/C
PP <sup>(3)</sup> – See 3.2.2, Graph 8 for scope				EI 120 U/C, C/C
PP <sup>(3)</sup> – See 3.2.3, Graph 9 for scope				EI 90 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.2.4, Graph 10 for scope				E 120, EI 90 – U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.2.5, Graph 11 for scope				EI 90 – U/C, C/C

All services supported with pipe supports at 400 mm from both faces of the wall.

<sup>(1)</sup> PVC-U pipe according to EN 1329-1, EN 1452-1 and EN 1453-1 and PVC-C according to EN 1566-1

<sup>(2)</sup> PE pipe according to EN 1519-1, EN 12201-2 and EN 12006-1, ABS according to EN 1455-1 and pipes made from SAN+PVC according to EN 1565-1

<sup>(3)</sup> PP pipe according to EN 1852-1: 2009

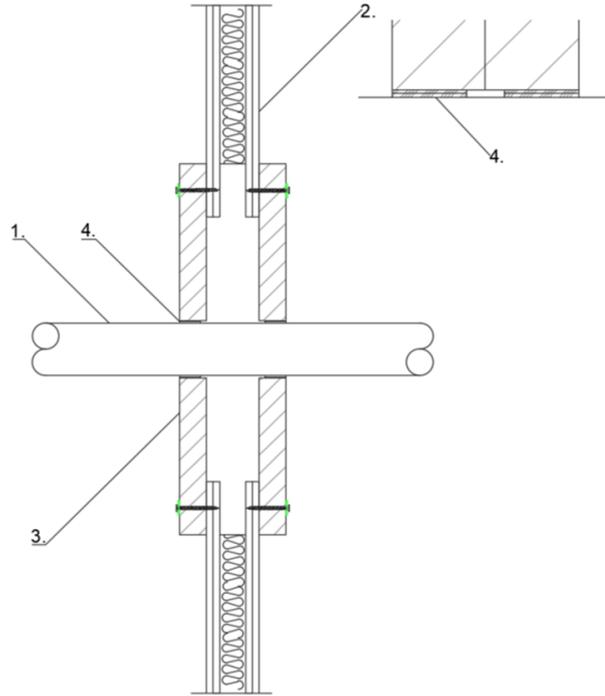


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Plastic pipes in Stopseal Batt

Flexible or Rigid Walls  $\geq 100$  mm insulated or uninsulated, lined, or unlined



Key

1. Plastic Pipe
2. Flexible Wall
3. Stopseal Batt
4. Pipebloc PWP

Penetration Service	Opening Size (mm)	Distances (mm)	Installation	Classification
PVC-U, PVC-C <sup>(1)</sup> – See 3.2.1, Graph 7 for scope	$\leq 1200 \times 750$	Edge $\geq 50$ Penetration Service $\geq 0$	Pipebloc PWP fit into both sides of the wall recessed by 5mm. Stopseal Batt pattress fit using Pyrocoustic Sealant between joints. Fixed to the substrate using 6 x 80 steel screws and steel washers, 100 mm overlap onto substrate.	EI 60 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.2.5, Graph 11 for scope				
PP <sup>(3)</sup> – See 3.2.3, Graph 9 for scope				

All services supported with pipe supports at 400 mm from both faces of the wall.

<sup>(1)</sup> PVC-U pipe according to EN 1329-1, EN 1452-1 and EN 1453-1 and PVC-C according to EN 1566-1

<sup>(2)</sup> PE pipe according to EN 1519-1, EN 12201-2 and EN 12006-1, ABS according to EN 1455-1 and pipes made from SAN+PVC according to EN 1565-1

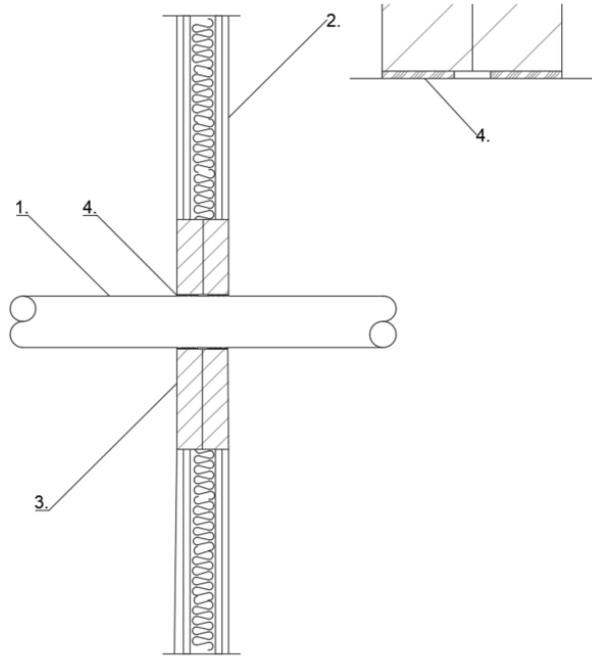
<sup>(3)</sup> PP pipe according to EN 1852-1: 2009



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Flexible or Rigid Walls  $\geq 100$  mm insulated, unlined, or lined



Key

1. Plastic Pipe
2. Flexible Wall
3. Stopseal Batt
4. Pipebloc PWP

Penetration Service	Opening Size (mm)	Distances (mm)	Installation	Classification		
PVC-U, PVC-C <sup>(1)</sup> – See 3.2.6, Graph 12 for scope	$\leq 1200 \times 730$	Edge – 100 Penetration Service $\geq 0$	Pipebloc PWP fit into both sides of the wall recessed by 5mm. Two 50 mm back-to-back Stopseal Batt friction fit using Pyrocoustic Sealant between joints.	EI 90 U/C, C/C		
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.2.4, Graph 10 for scope						
PP <sup>(3)</sup> – See 3.2.2, Graph 8 for scope						
PVC-U, PVC-C <sup>(1)</sup> – See 3.2.6, Graph 8 for scope	$\leq 2600 \times 2600$			Edge – 100 Penetration Service $\geq 0$	Pipebloc PWP fit into both sides of the wall recessed by 5mm. Two 50 mm back-to-back Stopseal Batt friction fit using Pyrocoustic Sealant between joints.	EI 60 U/C, C/C
PE, ABS, SAN-PVC <sup>(2)</sup> – See 3.2.4, Graph 10 for scope						
PP <sup>(3)</sup> – See 3.2.2, Graph 8 for scope						

All services supported with pipe supports at 400 mm from both faces of the wall.

<sup>(1)</sup> PVC-U pipe according to EN 1329-1, EN 1452-1 and EN 1453-1 and PVC-C according to EN 1566-1

<sup>(2)</sup> PE pipe according to EN 1519-1, EN 12201-2 and EN 12006-1, ABS according to EN 1455-1 and pipes made from SAN+PVC according to EN 1565-1

<sup>(3)</sup> PP pipe according to EN 1852-1: 2009



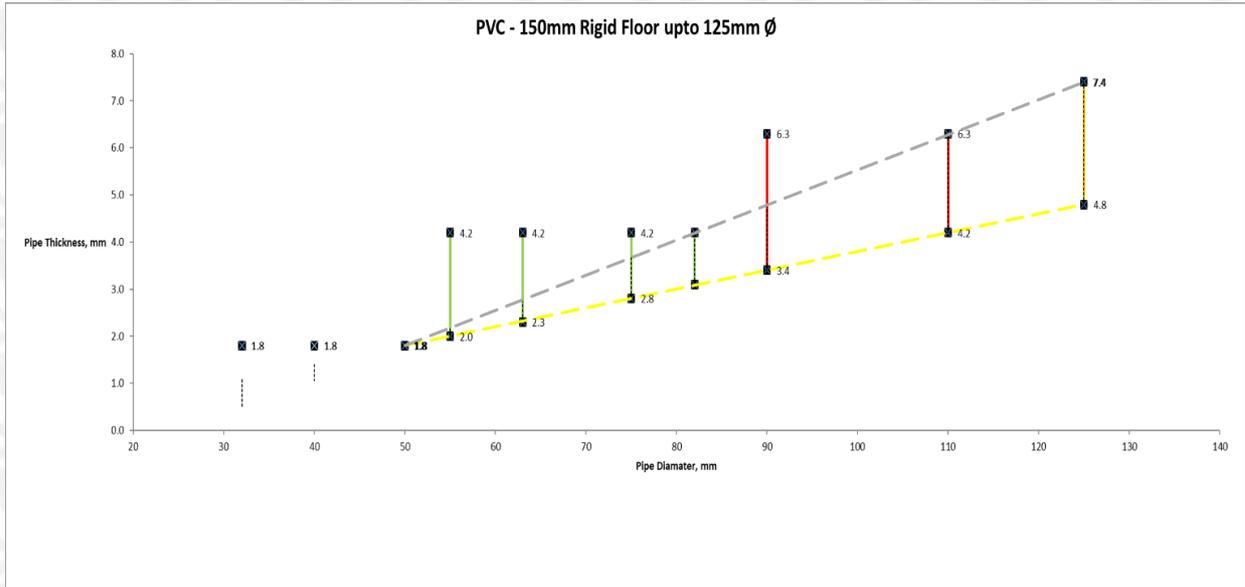
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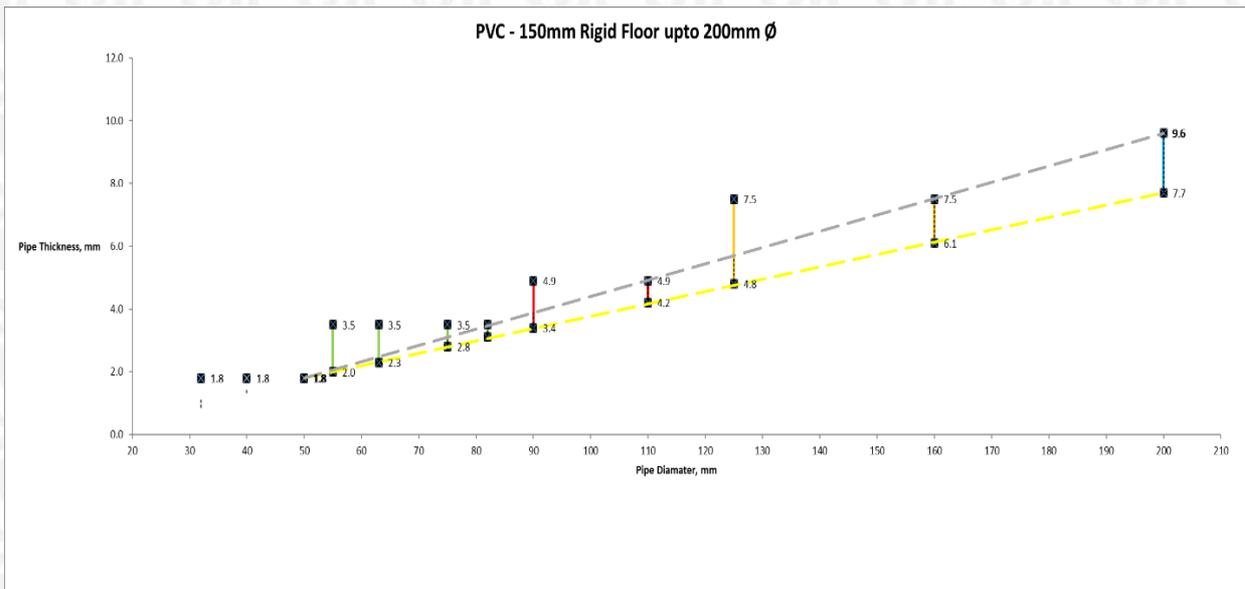
Scope and Usage

Floor

Graph 1



Graph 2



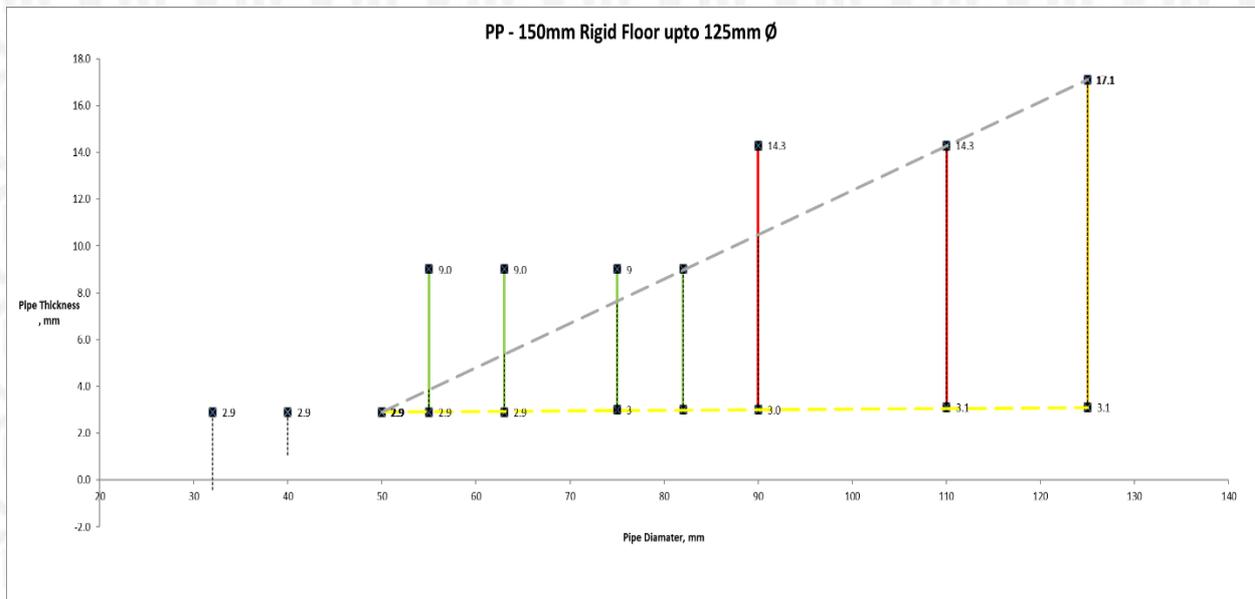
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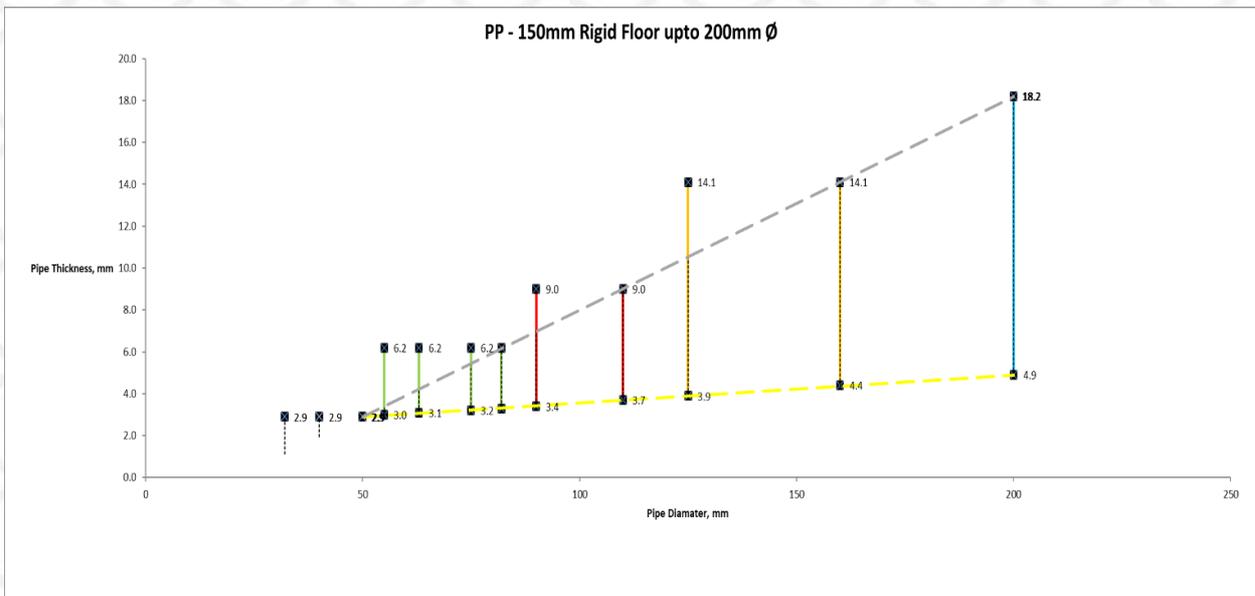
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Graph 3



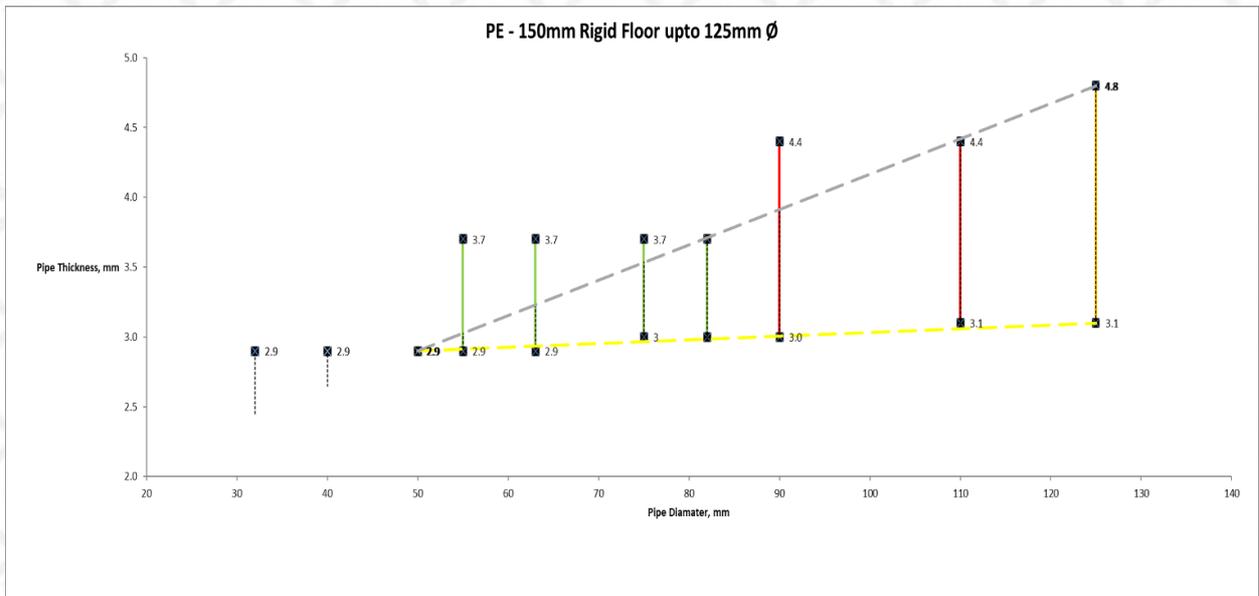
Graph 4



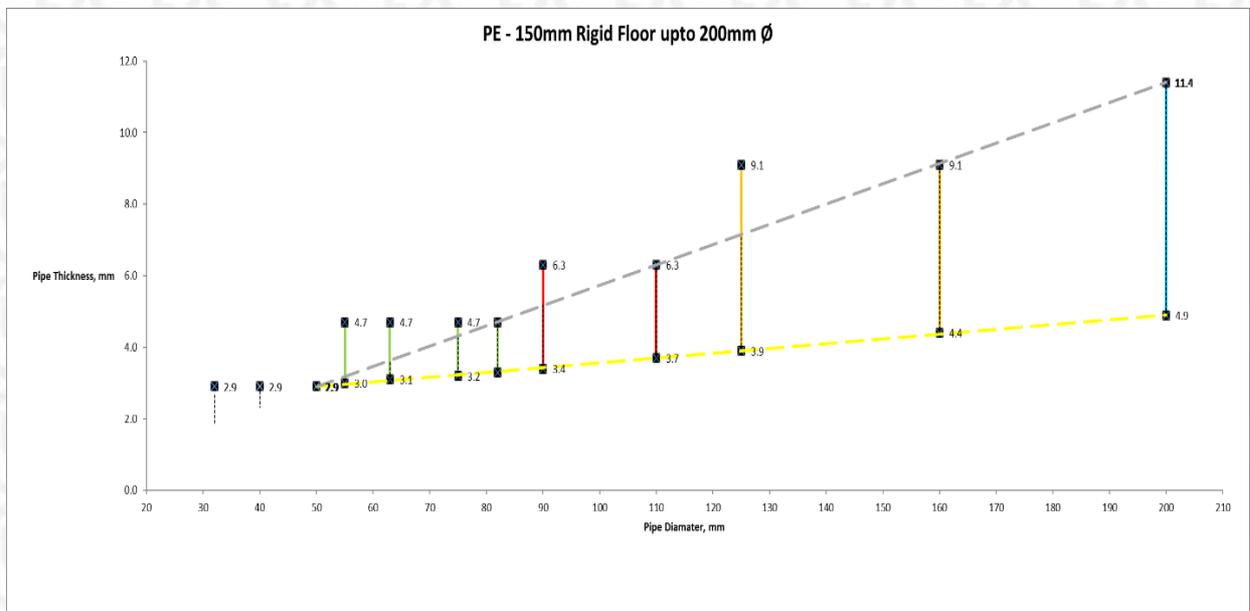
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Graph 5



Graph 6

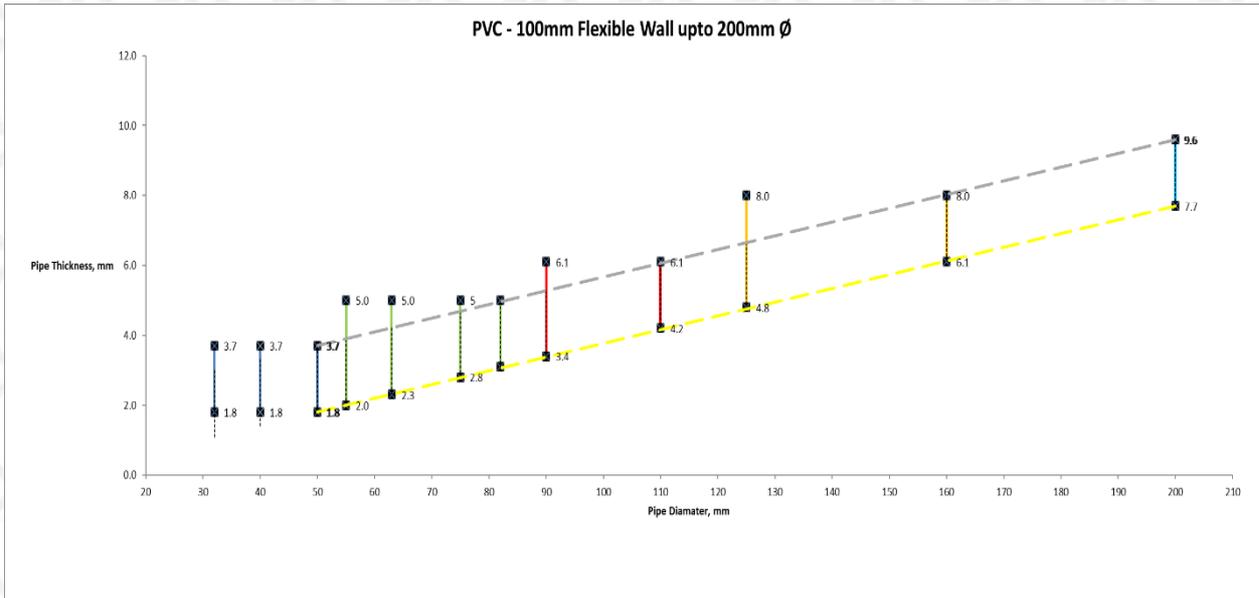


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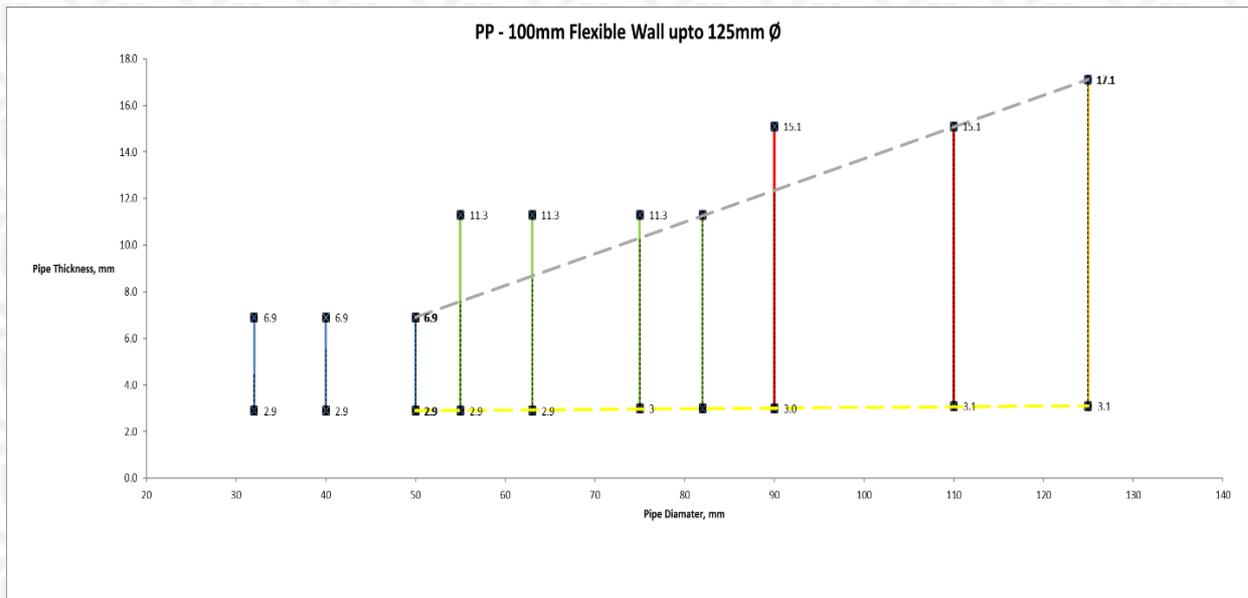
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Wall

Graph 7



Graph 8



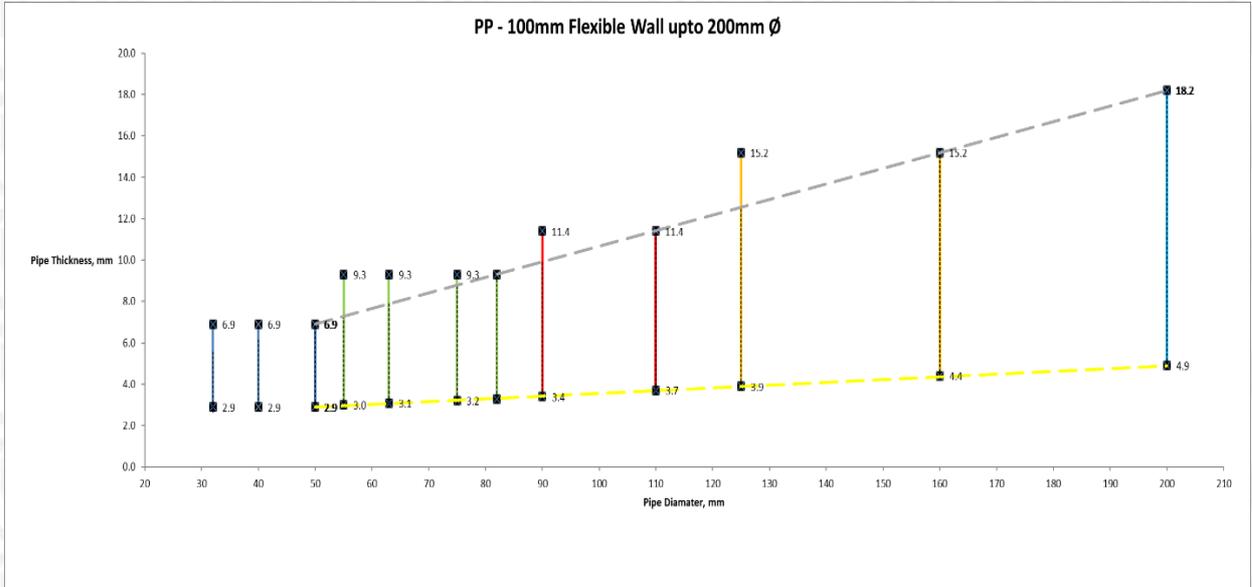
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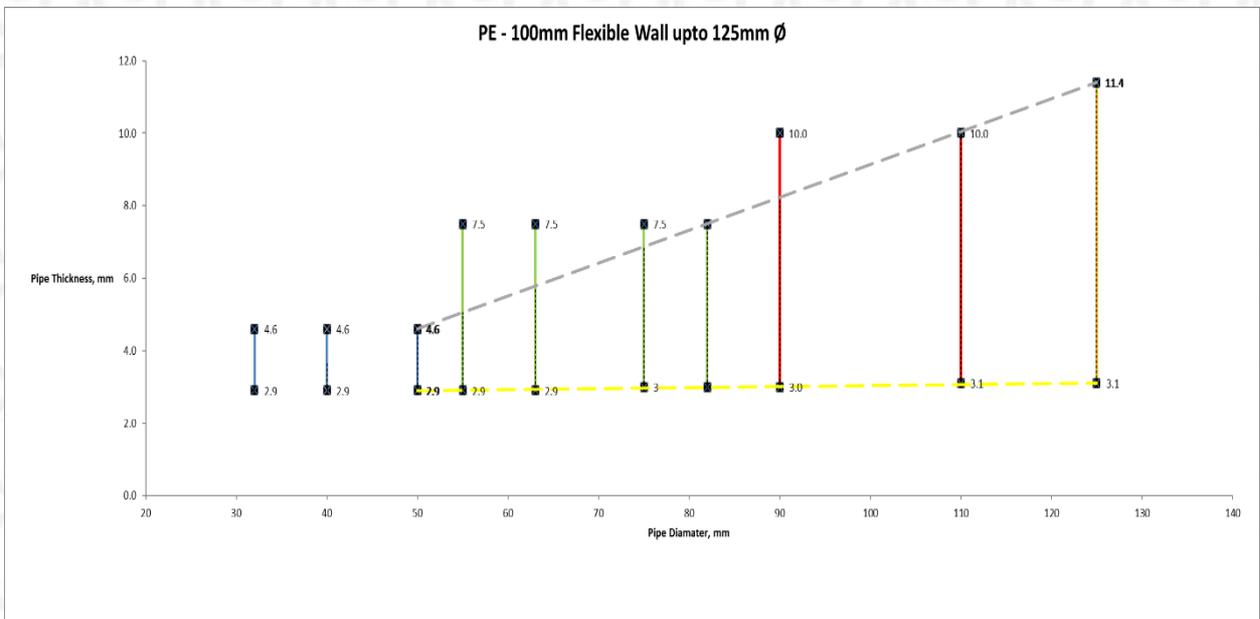
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Graph 9



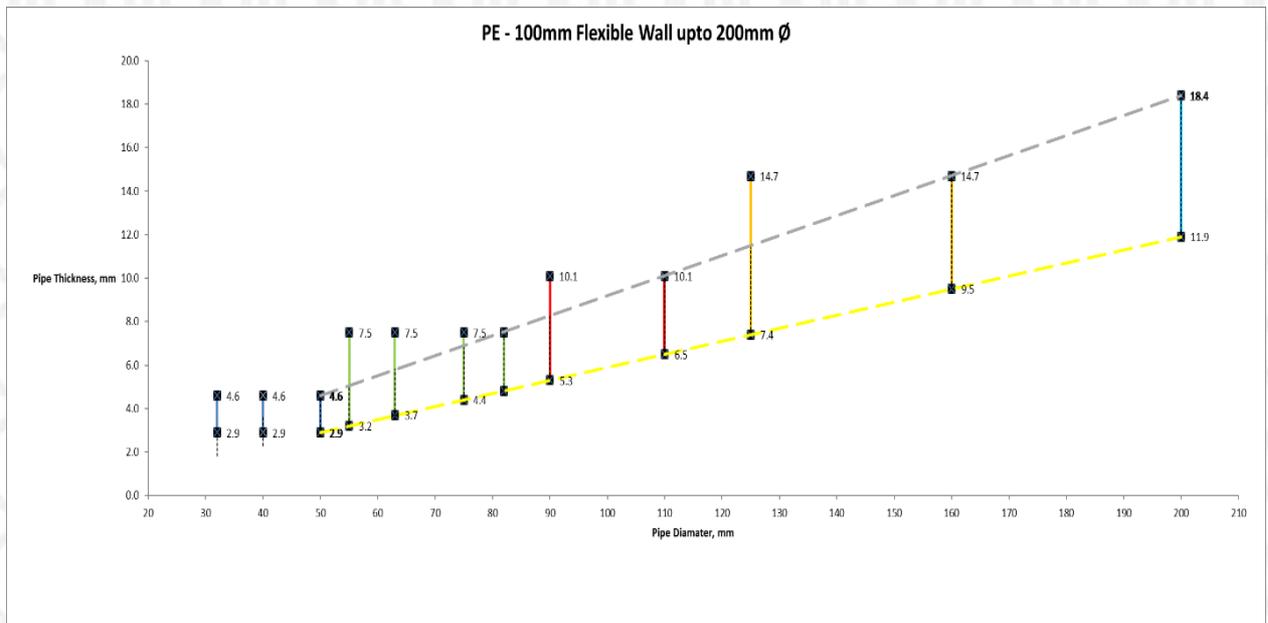
Graph 10



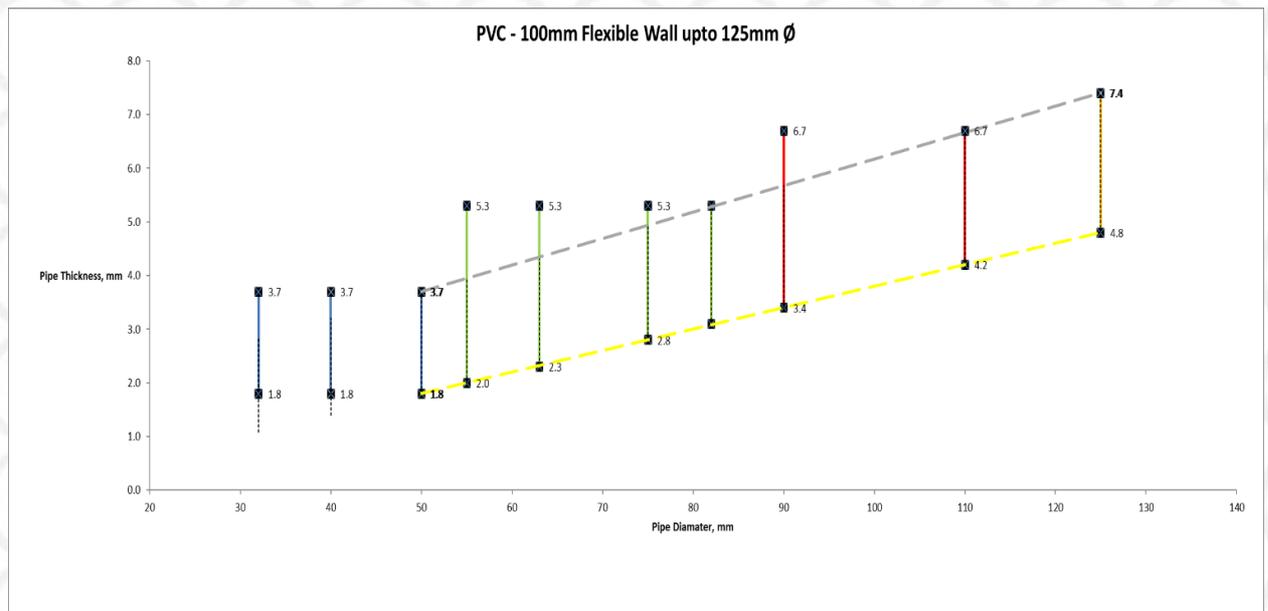
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Graph 11



Graph 12



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Pipebloc PWP Usage

Ensure penetration service has been tested, tables are for usage guidance only.

Pipebloc PWP Applied both sides of wall/floor	
<i>For use with plastic pipes</i>	
Pipe Ø (mm)	Layers of Pipebloc EL
40	2
55	2
63	2
75	2
82	2
90	3
110	3
125	4
140	4
160	4
200	5

Single Pipebloc PWP Applied in floor	
<i>For use with plastic pipes</i>	
Pipe Ø (mm)	Layers of Pipebloc EL
40	4
55	4
63	4
75	4
82	4
90	6
110	6
125	8
140	8
160	8
200	10



# Appendix UL-EU Certificate

<b>Certification Mark</b>	<b>UL-EU mark</b>
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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](http://www.ul.com).

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