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## CERTIFICATE OF APPROVAL

### No CF 5369

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This is to certify that, in accordance with  
 TS00 General Requirements for Certification of Fire Protection Products  
 The undermentioned products of

## FSI LIMITED

**Westminster Industrial Estate, Tamworth Road,  
 Measham, DE12 7DS**

**Tel: 01530 515130**

Have been assessed against the requirements of the Technical Schedule(s)  
 denoted below and are approved for use subject to the conditions  
 appended hereto:

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#### CERTIFIED PRODUCT

**PipeBloc PWP**

#### TECHNICAL SCHEDULE

**TS 03 Penetration Sealing  
 Systems**

**Signed and sealed for and on behalf of CERTIFIRE**



Sir Ken Knight  
 Chairman  
**WCL Impartiality Committee**



Paul Duggan  
 Certification Manager  
**Warrington Certification Ltd**



Issued: 8<sup>th</sup> December 2015  
 Valid to: 7<sup>th</sup> December 2020

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1. This approval relates to the use of PipeBloc PWP for the fire protection where services are penetrating walls. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness and acceptable services for PipeBloc PWP required to provide fire resistance periods in accordance with BS EN 1366-3: 2009 of up to 120 minutes for differing services and substrate constructions. The scope of certification complies with the guidelines stated in the ASFP Red Book: 3<sup>rd</sup> Edition for 3<sup>rd</sup> party certification schemes.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.'
3. The product is approved on the basis of:
  - i) Initial type testing
  - ii) Audit testing at the frequency specified in TS03
  - iii) A design appraisal against TS03
  - iv) Inspection and surveillance of factory production control
4. The walls shall be at least 100 mm thick and have at least the same fire rating as that required for the penetration seal. The floors shall be at least 150 mm thick and have at least the same fire rating as that required for the penetration seal
5. The services which may be fitted through the seals are PVC, ABS, PP and HDPE pipes of various sizes, as detailed within the Approval Matrix included in this Certificate.
6. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

#### **Further Information**

Further information regarding the details contained in this data sheet may be obtained from FSi Limited (Tel: 01530 515130).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

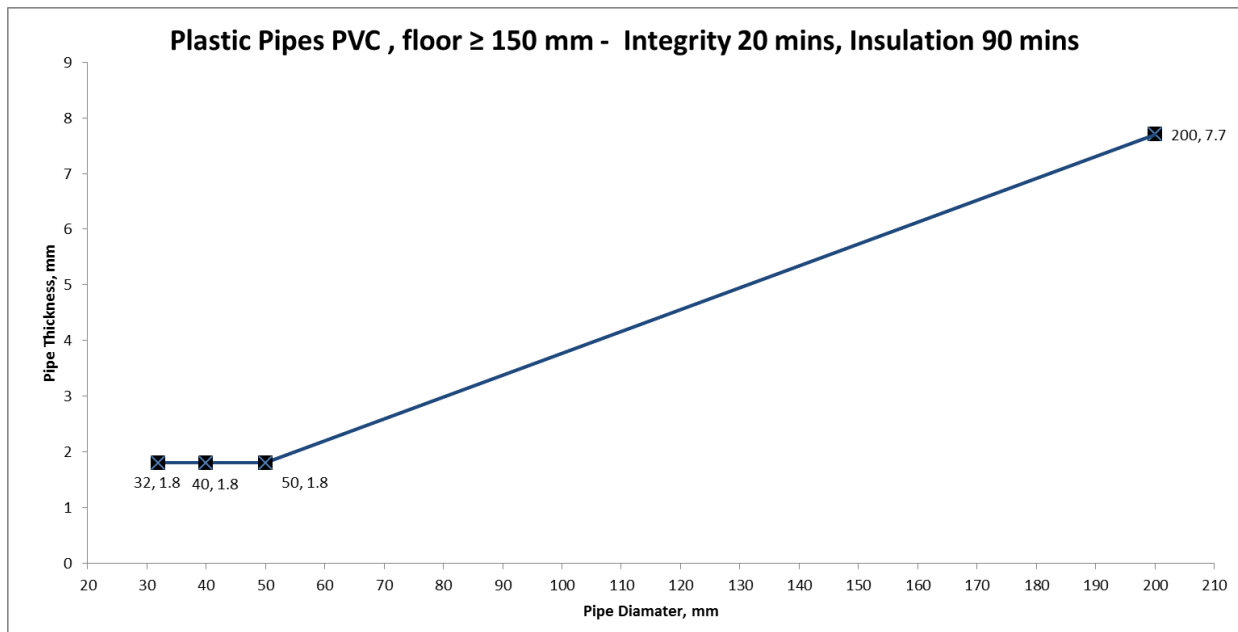
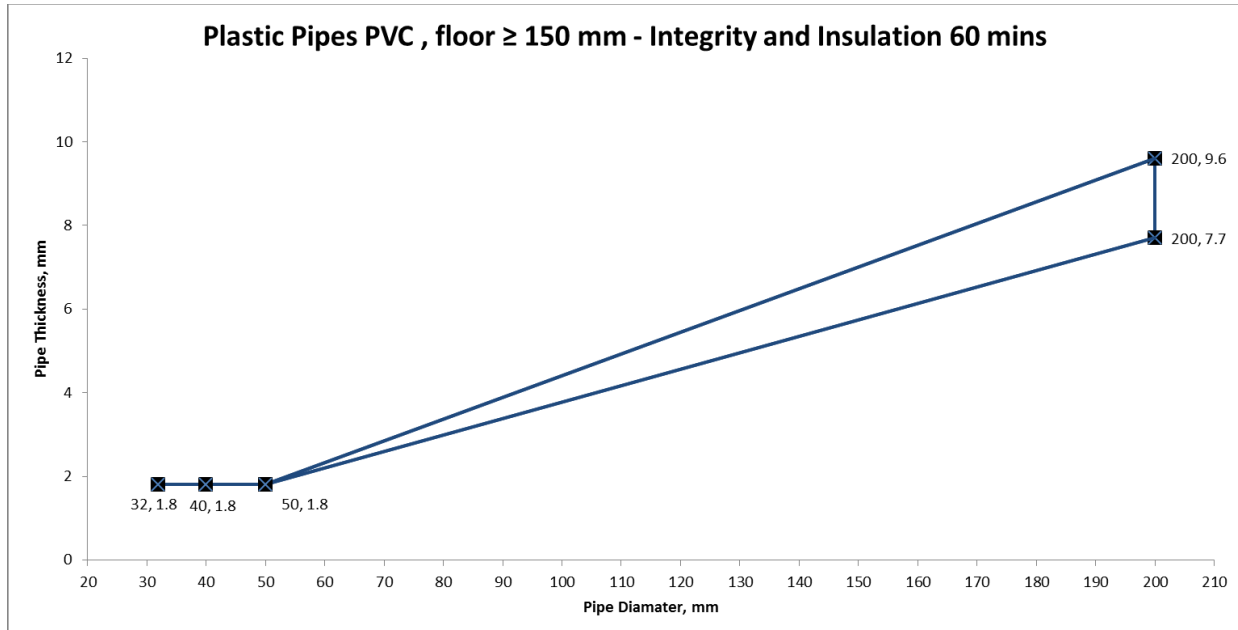
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**FSI LIMITED**

**PipeBloc PWP- Approval Matrix Floors 150mm min.**

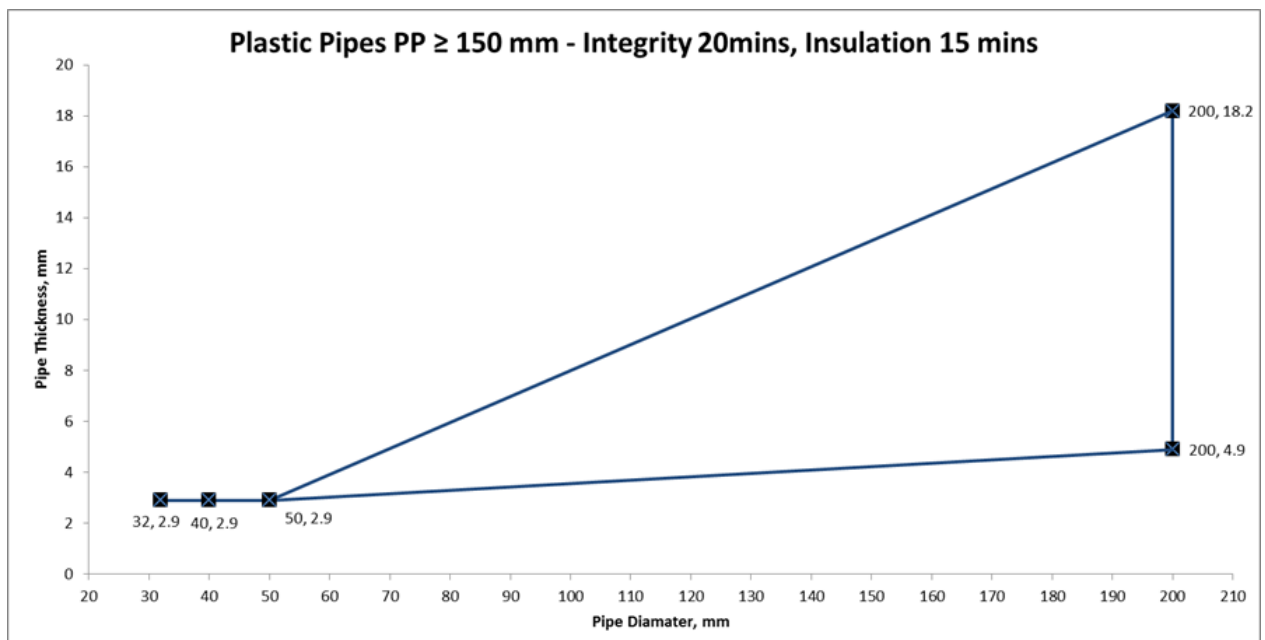
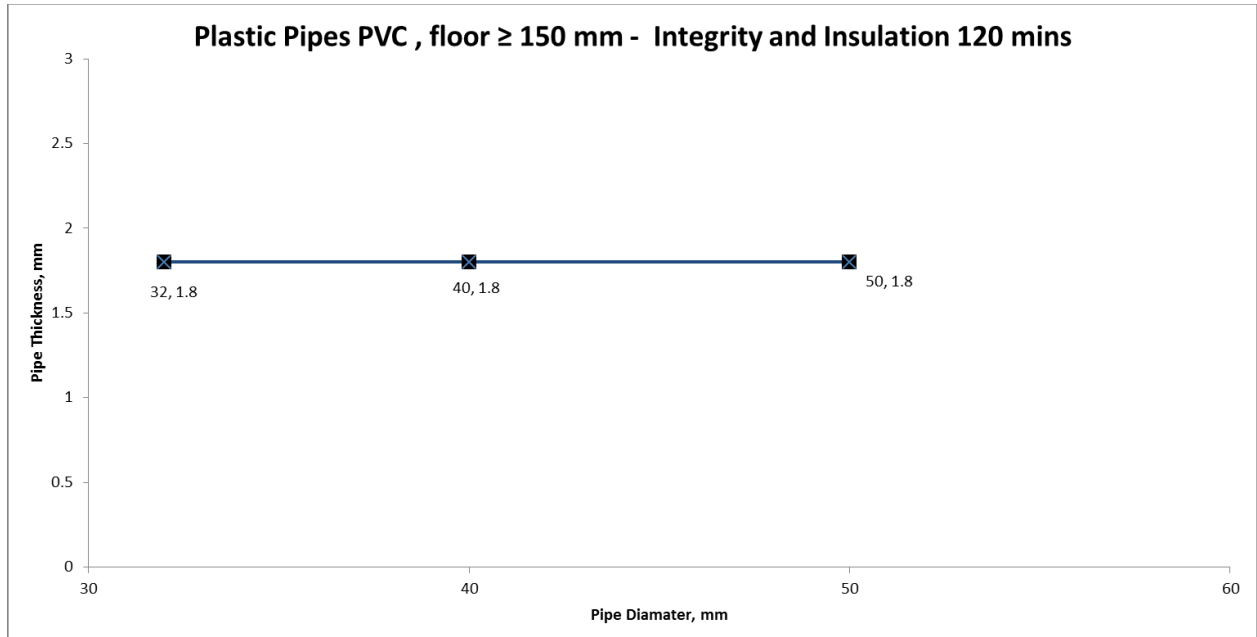
<b>Product Name:</b>	PipeBloc PWP Installed Both Sides of 150mm thick Rigid Floor		
<b>Maximum Annulus:</b>	12mm filled with min 5mm deep FSi Pyrocoustic		
<b>Floors</b>	The floors shall be a minimum of 150 mm thick. All concrete floors shall have at least the same fire rating as that required of the PipeBloc PWP.		
<b>Application Technique:</b>	The PipeBloc PWP is folded around the pipe and inserted into the annular space between the pipe and floor.		
<b>Service Coat-Back :</b>	Not required	<b>U Value:</b>	Not known
<b>Service Support Requirements:</b>	Services should be rigidly supported via steel angles, hangars or channels, not further than 400 mm from the upper surface of the seal.		
<b>Resistance to Smoke:</b>	Not evaluated by this approval	<b>Weather Capability:</b>	Not evaluated by this approval
<b>Acoustic Rating:</b>	Not evaluated by this approval	<b>Movement Capability:</b>	Not evaluated by this approval

Intumescent Thickness	
Pipe Diameter	Intumescent Material
ø 32 mm - ø 50 mm	40 mm (W) x 2 mm (T)
ø 51 mm - ø 82 mm	40 mm (W) x 4 mm (T)
ø 83 mm - ø 115 mm	40 mm (W) x 6 mm (T)
ø 116 mm - ø 160 mm	40 mm (W) x 8 mm (T)
ø 161 mm - ø 200 mm	40 mm (W) x 10 mm (T)
ø 201 mm - ø 250 mm	40 mm (W) x 12 mm (T)

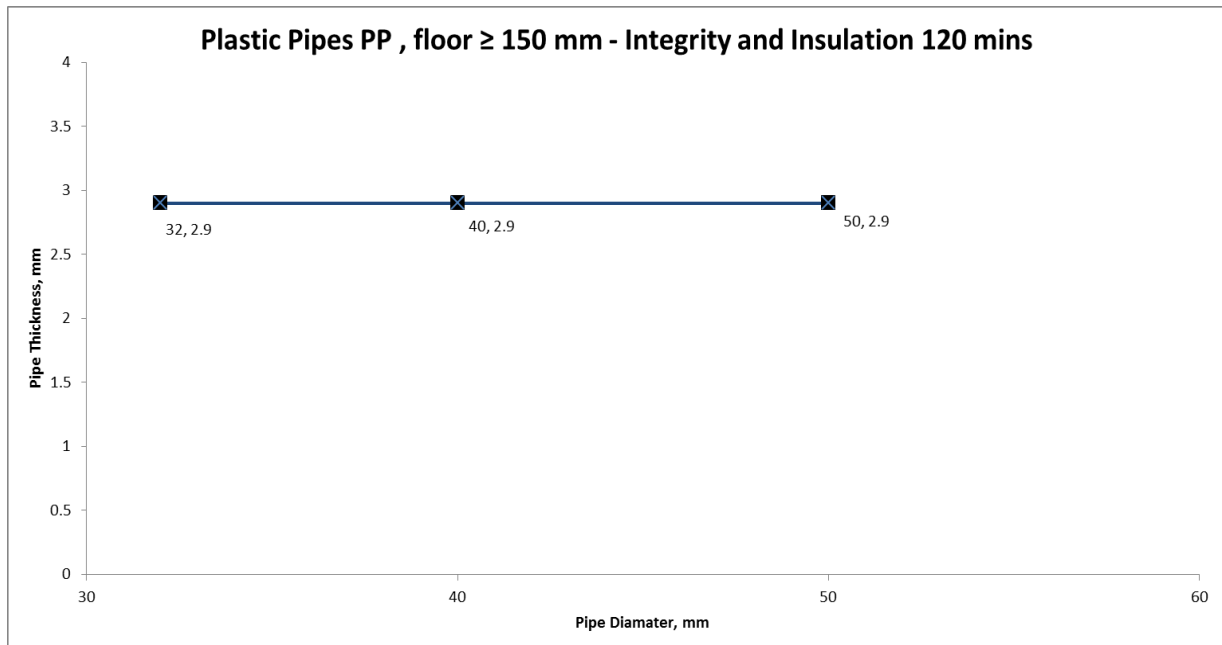
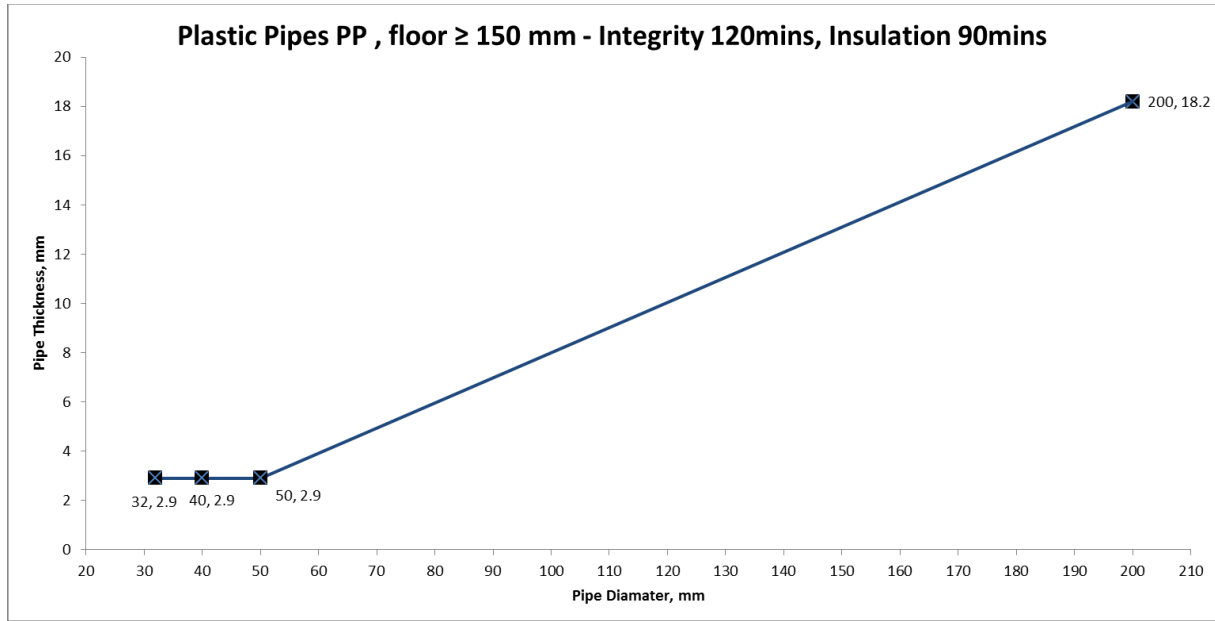
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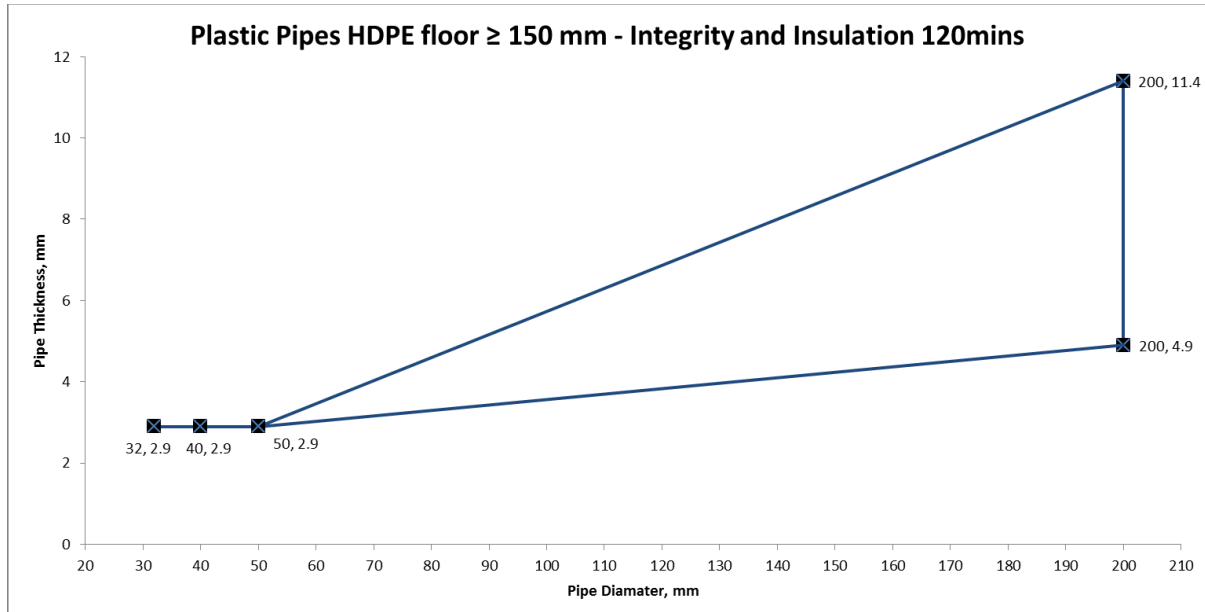
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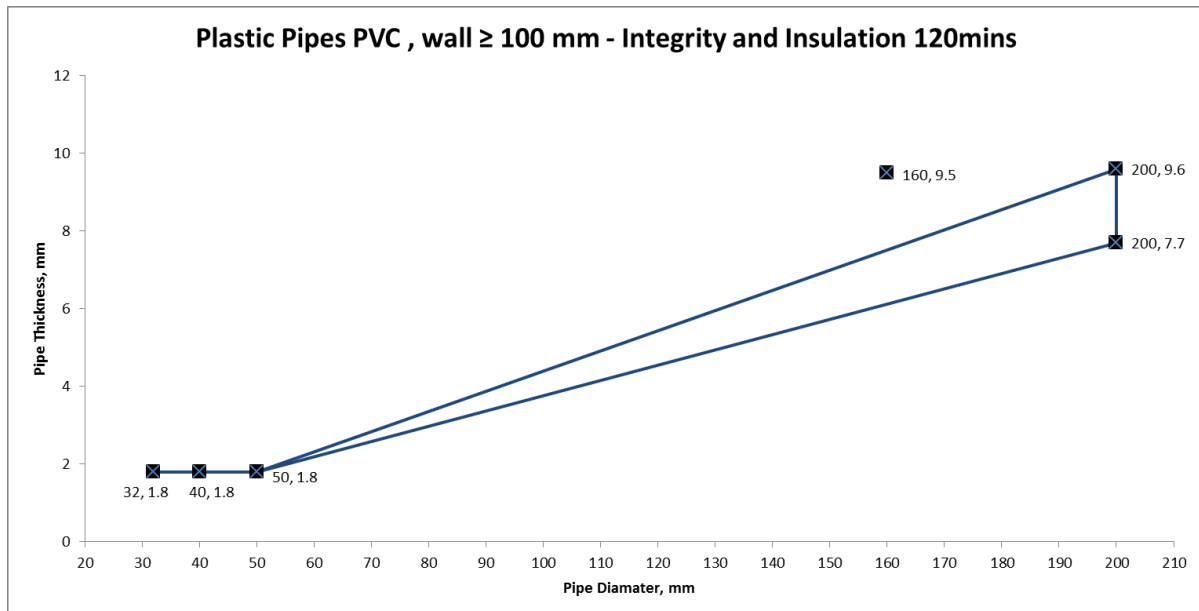
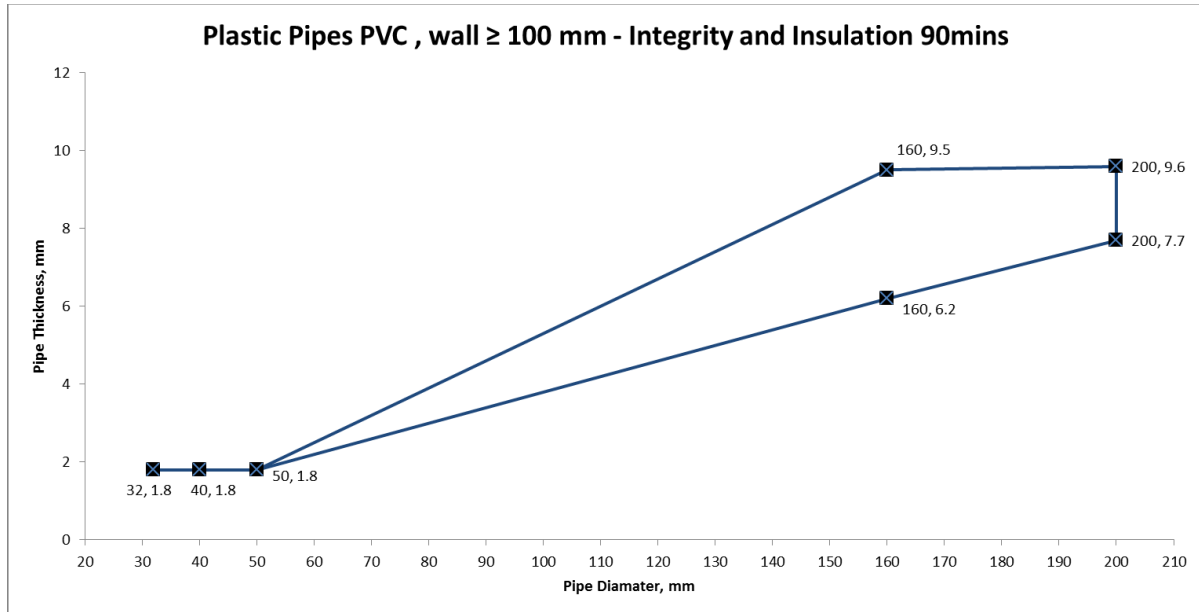
**PipeBloc PWP- Approval Matrix Walls 100mm min.**

<b>Product Name:</b>	PipeBloc PWP Installed Both Sides of 100mm thick rigid or flexible wall		
<b>Maximum Annulus:</b>	12mm filled with min 5mm deep FSi Pyrocooustic		
<b>Walls</b>	The walls shall be a minimum of 100 mm thick. All concrete or plasterboard shall have at least the same fire rating as that required of the PipeBloc PWP.		
<b>Application Technique:</b>	The PipeBloc PWP is folded around the pipe the required number of times and inserted into the annular space between the pipe and wall.		
<b>Service Coat-Back :</b>	Not required	<b>U Value:</b>	Not known
<b>Service Support Requirements:</b>	Services should be rigidly supported via steel angles, hangars or channels, not further than 400 mm from the upper surface of the seal.		
<b>Resistance to Smoke:</b>	Not evaluated by this approval	<b>Weather Capability:</b>	Not evaluated by this approval
<b>Acoustic Rating:</b>	Not evaluated by this approval	<b>Movement Capability:</b>	Not evaluated by this approval

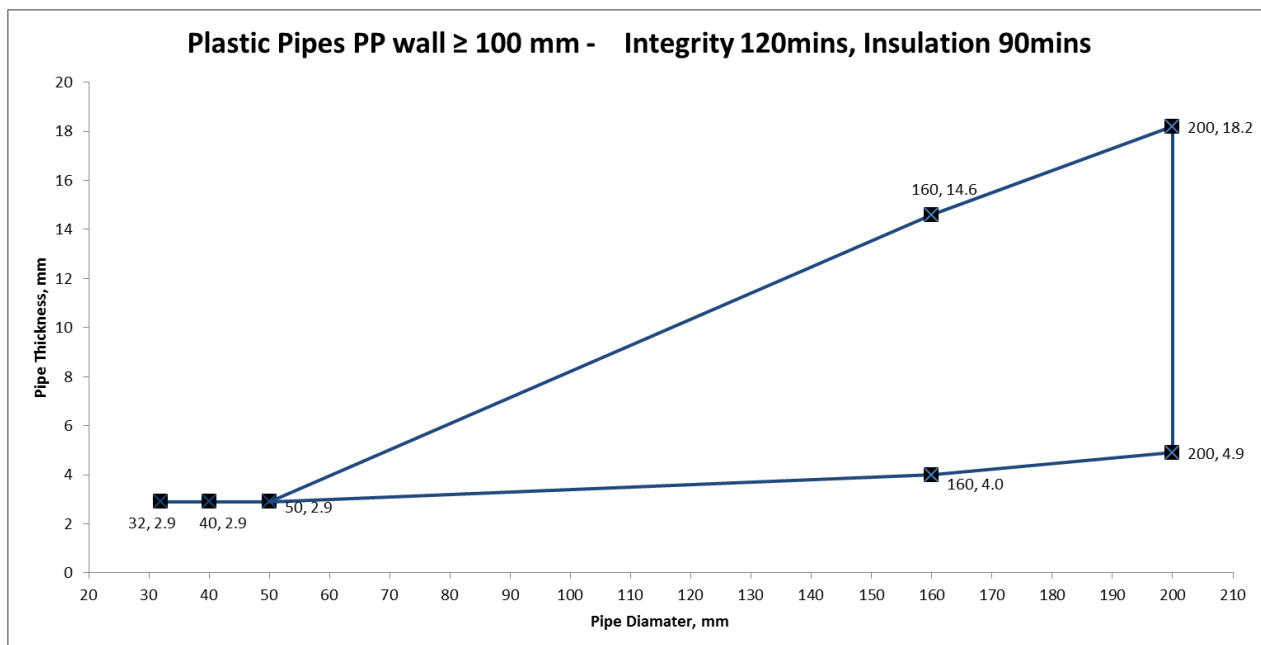
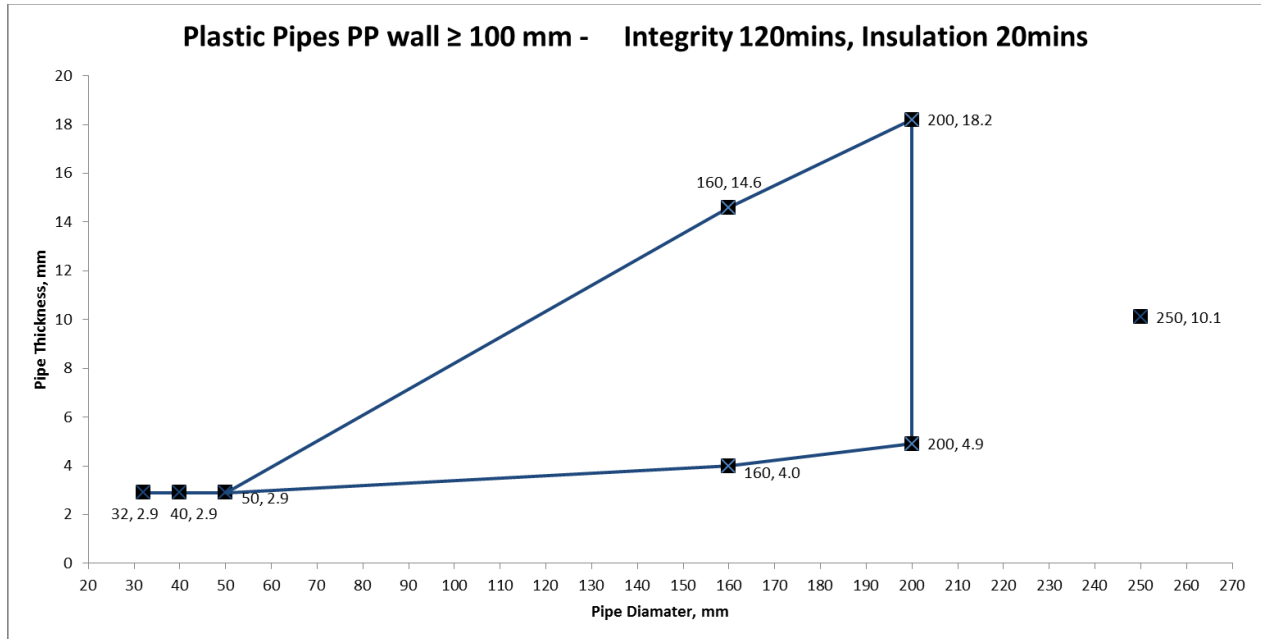
Intumescent Thickness	
Pipe Diameter	Intumescent Material
ø 32 mm - ø 50 mm	40 mm (W) x 2 mm (T)
ø 51 mm - ø 82 mm	40 mm (W) x 4 mm (T)
ø 83 mm - ø 115 mm	40 mm (W) x 6 mm (T)
ø 116 mm - ø 160 mm	40 mm (W) x 8 mm (T)
ø 161 mm - ø 200 mm	40 mm (W) x 10 mm (T)
ø 201 mm - ø 250 mm	40 mm (W) x 12 mm (T)



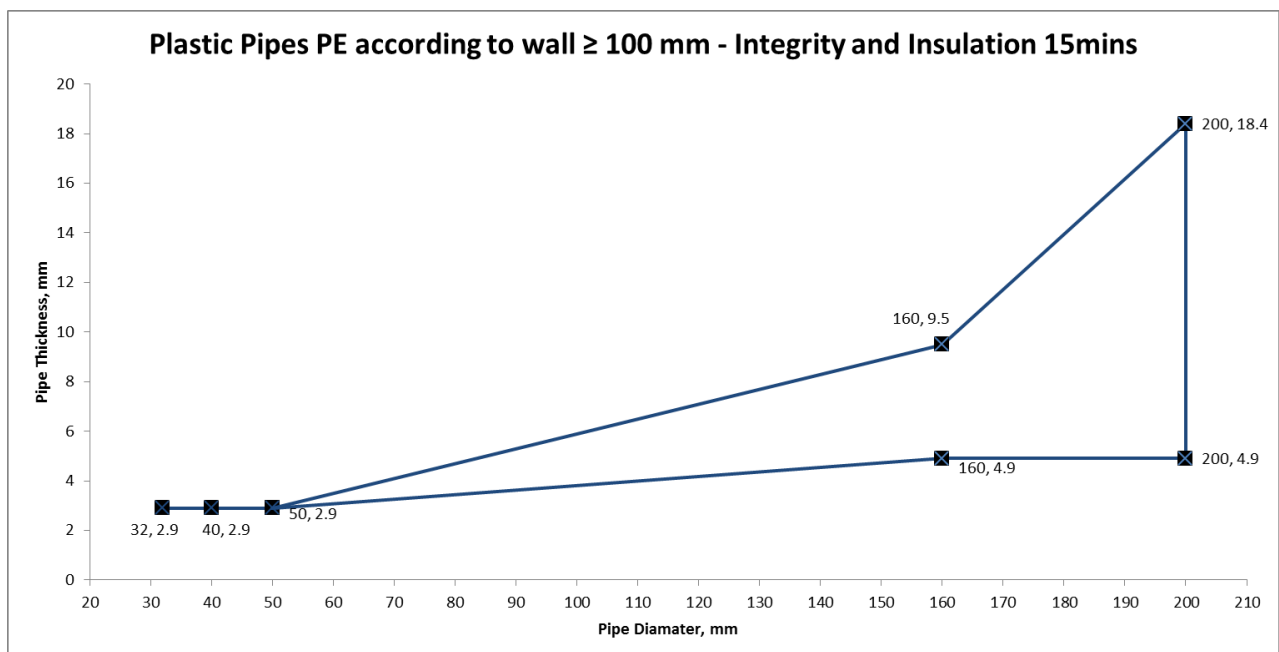
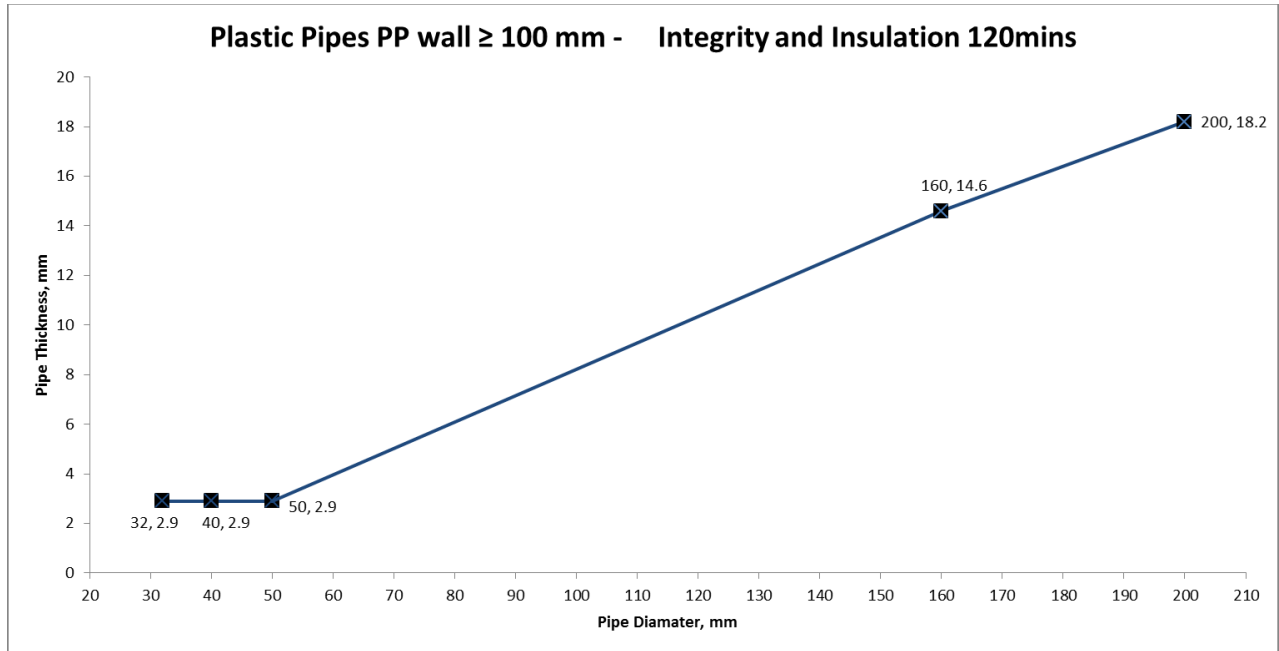
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