



Certificate of approval

Certificate number AC102.2

This is to certify that Promat Australia Pty Ltd has carried out the certification of PROMASEAL® FCS & FC fire collars in accordance with the Certifire scheme rules document – ATS00 – for the certification of passive fire protection products in Australia. The products have also been assessed against the requirements of the specific product Technical Schedule ATS20 and are approved for use subject to the conditions outlined in this document.

Promat Australia Pty Ltd
1-17 Scotland Rd, Mile End South, SA 5031

Certified product	Technical schedule	Approved standard
PROMASEAL® FCS & FC fire collars	ATS20	AS 1530.4:2014 AS 4072.1:2005

Signed on behalf of Warringtonfire Certification – Australia

Chad McLean
Certification manager - Australia



Issue date	6 June 2022
Revised issue date	30 June 2023
Certificate valid to	6 June 2027

1. Introduction

This certificate of approval is for the use of PROMASEAL® FCS & FC fire collars for the fire protection of various plastic pipe penetrations. The products have been assessed against the requirements of Technical Schedule ATS20 and is approved for use as a fire resisting penetration sealing system.

The detailed scope is given in the tables in the approval matrix in section 2 of this certificate. These show the approved application of the collars for uPVC, HDPE, Coestilen® HDPE, Fastflow uPVC, Raupiano and Valsir Triplus pipes penetrating through various wall and floor systems protected with the PROMASEAL® FCS collars and PROMASEAL® FC collars.

Fire resistance levels (FRLs) are provided in accordance with AS 1530.4 for each of the applications for the collars.

The product is approved based on satisfying the requirements in Table 1 and the factory production control (FPC) audits carried out for each location where the product is manufactured for the Australian market. The audit report has been prepared and is retained in a confidential file by Warringtonfire Certification Australia. General details are provided in Table 2

This approval relates to the ongoing production of PROMASEAL® FCS & FC fire collars. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the Certifire name or the Certifire name and mark – together with the Certifire certificate number and application where appropriate. The product is only deemed certified if it carries these details. Further details of product installation can be provided as applicable.

All other products identified in this report are not the focus of this certification and should not be considered as having product certification.

All work and services carried out by Warringtonfire Australia are subject to, and conducted in accordance with our standard terms and conditions. These are available on request or at <https://www.element.com/terms/terms-and-conditions>.

Table 1 Basis of evidence

Evidence	Comments
Evidence of relevant testing provided	See Appendix A
Testing carried out within the last 5 years to validate ongoing quality and performance of the product	Yes
Independent sampling of tested product for traceability	Yes
Batch number confirmed	Yes
The deemed-to-satisfy requirements of technical schedule met	Yes
The manufacturing facilities accredited to ISO 9001:2015	Yes

Table 2 FPC audit report

Item	Detail
Audit company	Warringtonfire Certification
Audit objectives	The objective of the audit is to: <ul style="list-style-type: none"> determine the conformity of the client's management system, or parts of it, with audit criteria determine the ability of the management system to ensure the client meets applicable contractual requirements

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Item	Detail
	<ul style="list-style-type: none"> determine the effectiveness of the management system to ensure the client can reasonably expect to achieve their specified objectives determine adequate process control of product manufacturing as applicable, identify areas for potential improvement in the management system.
Date of inspection	27 June 2023
Outcome	The audit satisfied the requirements of the Certifire scheme.

2. Formal scope of certification

General product description

Circular based PROMASEAL® Retrofit Collar (FCS type) is designed to be fitted around installed pipes that pass through floor slabs and have been tested with plastic pipes up to 100mm diameter. The larger opening within the collars will accommodate pipes (and uPVC pipe fittings) that have differing outside diameters. The split type collar can be retrofitted where necessary. It is available in a range of sizes to suit plastic pipes up to 110mm outside diameter.

A representative image of the product is shown here.



Square based PROMASEAL® Retrofit Collar (FC type) is multi purpose collar designed for use with concrete slabs, masonry and lightweight walls and lined ceilings.

The split type collar can be retrofitted where necessary. It is available in a range of sizes to suit plastic pipes up to 315mm outside diameter.

Note that PROMASEAL® Retrofit Collars above 150mm have a circular base.

A representative image of the product is shown here.



General requirements

- The floor slabs must be incorporated with or without LYSAGHT BONDEK® steel deck, 266 mm thick Promat SYSTEMPANEL™ 2G floor/ceiling system and 100 mm thick PROMASEAL® Bulkhead sealer system installed in a minimum 120 mm thick concrete slab.
- Pipes may be located as close as 40 mm collar-to-collar.
- Pipes must be supported at 500 mm and 1500 mm from the support element.
- The proposed schedule of components and construction information is shown in Table 18 and Figure 1 to Figure 18.

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Approval matrix

Table 3 uPVC pipes protected with PROMASEAL® FCS collars in floors – fitting in collar body

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL		
					120 mm slab**	150 mm slab**	170 mm slab**
uPVC	43	2.6	FCS40	Figure 6, Figure 8 & Figure 9	-/240/180	-/240/180	-/240/240
	56	2.2-3.0	FCS50		-/240/180	-/240/180	-/240/240
	69	2.8	FCS65		-/240/240	-/240/240	-/240/240
	110	3.4	FCS100		-/240/240	-/240/240	-/240/240

**The overall FRL of the system must be limited to the established FRL of the separating element.

Table 4 uPVC pipes protected with PROMASEAL® FC collars in floors

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL		
					120 mm slab**	150 mm slab**	170 mm slab**
uPVC	43	2.6	FC40	Figure 5, Figure 8, Figure 9 & Figure 16 *	-/240/180	-/240/180	-/240/240
	56	2.2-3.0	FC50		-/240/180	-/240/180	-/240/240
	69	2.8	FC65		-/240/240	-/240/240	-/240/240
	83	3.4	FC80		-/240/240	-/240/240	-/240/240
	110	3.4	FC100		-/240/240	-/240/240	-/240/240
	161	5.0	FC150		-/240/120	-/240/120	-/240/120
	225	6.6	FC250	Figure 7, Figure 8, Figure 9 & Figure 16 *	-/240/120	-/240/180	-/240/240
	251	6.0	FC250		-/240/120	-/240/240	-/240/240
	315	10.0	FC300		-/180/120	-/180/180	-/180/180

*Figure 16 for applications up to -/120/120

**The overall FRL of the system must be limited to the established FRL of the separating element

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Table 5 HDPE pipes protected with PROMASEAL® FC collars in floors

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL		
					120 mm slab	150 mm slab	170 mm slab
HDPE	40.6	2.6	FC40	Figure 5, Figure 8, Figure 9 & Figure 16	-/240/120	-/240/180	-/240/240
	56.0	2.2-3.0	FC50		-/180/120	-/180/180	-/180/180
	63.5	3.3	FC65		-/240/120	-/240/180	-/240/240
	75.0	3.0	FC80		-/240/120	-/240/180	-/240/240
	110.0	3.4-5.88	FC100		-/240/120	-/240/180	-/240/240
	125.0	3.4	FC125		-/240/120	-/240/180	-/240/240
	150.0	5.0	FC150	-/180/120	-/180/180	-/180/180	
	254.0	10.0	FC250	Figure 7, Figure 8, Figure 9 & Figure 16 *	-/240/120	-/240/180	-/240/240
320.0	10.0	FC300	-		-	-/120/120	

*Figure 16 for applications up to -/120/120

Table 6 uPVC pipes protected with PROMASEAL® FC collars in 128 mm walls

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
uPVC	43.6	2.4	FC40	Figure 1, Figure 2 & Figure 16	-/240/180
	55.7	2.2	FC50		-/120/120
	69.4	3.2	FC65		-/180/180
	82.5	3.0	FC80		-/120/120
	110	4.3	FC100		-/120/120
	161	4.56	FC150		-/180/120
	250.1	6.56	FC250	Figure 3, Figure 4 & Figure 16 *	-/180/180
	315	8.2	FC300		-/180/180

*Figure 16 for applications up to -/120/120

Table 7 HDPE pipes protected with PROMASEAL® FC collars in 128 mm walls

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
HDPE	40.9	3.15	FC40	Figure 1, Figure 2 & Figure 16 *	-/180/180
	63.5	3.3	FC65		-/120/120
	75	4.0	FC80		-/120/120
	110.4	5.0	FC100		-/180/120
	125	6.0	FC150		-/120/120
	252	8.0	FC250	Figure 3, Figure 4 & Figure 16 *	-/120/120
	317	13.5	FC300		-/180/180

*Figure 16 for applications up to -/120/120

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Table 8 uPVC pipes protected with PROMASEAL® FC collars in 116 mm walls

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
uPVC	43.4	2.4	FC40	Figure 1 & Figure 2	-/120/120
	56.3	2.4	FC50		-/120/120
	68.7	3.0	FC65		-/120/120
	83.4	3.5	FC80		-/120/120
	110.4	3.7	FC100		-/120/120
	250	6.5	FC250	Figure 3, Figure 4 & Figure 16	-/120/120
	316	7.8	FC300		-/120/120

* 40 mm collar to collar minimum distance.

Table 9 HDPE pipes protected with PROMASEAL® FC collars in 116 mm walls

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
HDPE	40	3.15	FC40	Figure 1 & Figure 2	-/120/120
	65	3.3	FC65		-/120/120
	80	4.0	FC80		-/120/120
	110	5.0	FC100		-/120/120

*40mm collar to collar minimum distance.

Table 10 uPVC pipes protected with PROMASEAL® FC fire collars in Speedpanel wall

Pipe material	Pipe diameter (OD mm)	Pipe wall thickness (mm)	FC collar code	Min. wall depth (mm)	Figure reference	FRL
uPVC	42.8	2.2	FC40	78 mm	Figure 10, Figure 11, Figure 12, Figure 13, Figure 14, Figure 15 & Figure 16 *	-/120/120
	55.7	2.2	FC50			
	68.9	2.8	FC65			
	82.5	3.0	FC80			
	110.0	4.3	FC100			
	158.0	4.3	FC150		Figure 13, Figure 14, Figure 15 & Figure 16 *	

*Figure 17 for applications up to -/120/120

Table 11 HDPE pipes protected with PROMASEAL® FC fire collars in Speedpanel wall

Pipe material	Pipe diameter (OD mm)	Pipe wall thickness (mm)	FC collar code	Min. wall depth (mm)	Figure reference	FRL
HDPE	40.9	3.15	FC40	78 mm	Figure 10, Figure 11, Figure 12,	-/120/120
	55.7	3.4	FC50			
	63.5	3.3	FC65			

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Pipe material	Pipe diameter (OD mm)	Pipe wall thickness (mm)	FC collar code	Min. wall depth (mm)	Figure reference	FRL
	110.4	5.0	FC100		Figure 13 & Figure 16 *	

*Figure 16 for applications up to -/120/120

Table 12 Coestilen® HDPE pipes protected with PROMASEAL® FC fire collars in Speedpanel wall

Pipe material	Nominal pipe diameter (OD mm)	Nominal pipe wall thickness (mm)	Fire collar	Min. wall depth (mm)	Figure reference	FRL
Coestilen® HDPE	56	3.0	FC65	78 mm	Figure 10, Figure 11, Figure 12, Figure 13, Figure 14, Figure 15 & Figure 16 *	-/120/120
	75	4.0	FC80			
	110	5.0	FC100			
	125	6.0	FC150			
	160	7.5	FC150		Figure 13, Figure 14, Figure 15 & Figure 16 *	
	200	7.0	FC250			
	250	8.0	FC250			

*Figure 16 for applications up to -/120/120

Table 13 uPVC pipes protected with PROMASEAL® FC collars installed in 94 mm thick PROMATECT® 100 wall

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
uPVC	43.6	2.4	FC40	Figure 1 & Figure 2	-/90/90
	55.7	2.2	FC50		-/90/60
	69.4	3.2	FC65		-/90/60
	82.5	3.0	FC80		-/90/60
	110	3.4	FC100		-/90/60

Table 14 uPVC pipes protected with PROMASEAL® FC collars installed in 90 mm thick single layer plasterboard wall system

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
uPVC	43.6	2.4	FC40	Figure 1 & Figure 2	-/60/60
	55.7	2.2	FC50		-/60/45
	69.4	3.2	FC65		-/60/45
	82.5	3.0	FC80		-/60/45
	110	3.7	FC100		-/60/45

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Table 15 uPVC pipes protected with PROMASEAL® FC collars installed in 266 mm thick Promat SYSTEMPANEL™ 2G floor/ceiling system

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Figure reference	FRL
uPVC	42.5	3.61	FC40	Figure 5, Figure 8 & Figure 9	-/120/120
	55.7	2.2	FC50		-/120/120
	69.4	3.2	FC65		-/120/120
	82.5	3.0	FC80		-/120/120
	110	3.8	FC100		-/120/120

Table 16 uPVC pipes protected with PROMASEAL® FC collars installed in 100 mm thick PROMASEAL® Bulkhead sealer batts

Pipe material	Outside diameter (OD) (mm)	Pipe wall thickness (mm)	FC collar code	Backing block size	FRL
uPVC	43.21	3.2	FC40	120 mm x 120 mm x 50 mm	-/120/120
	55.7	3.11	FC50	190 mm x 190 mm x 50 mm	-/120/120
	67.7	3.2	FC65		-/120/120
	82.5	3.0	FC80		-/120/120
	110	3.8	FC100		-/120/120

Table 17 HDPE pipes protected with PROMASEAL® FC collars installed in 100 mm thick PROMASEAL® Bulkhead sealer batts in minimum 120 mm thick concrete slab

Pipe material	Pipe diameter (OD mm)	Pipe wall thickness (mm)	FC collar code	Backing block size	FRL
HDPE	40.46	2.93	FC40	120 mm x 120 mm x 50 mm	-/120/120
	56.0	2.2-3.0	FC50	190 mm x 190 mm x 50 mm	-/120/120
	63.5	3.3	FC65		-/120/120
	75.0	3.0	FC80		-/120/120
	110.0	3.4-5.88	FC100		-/120/120
	125.0	3.4	FC125		-/120/120
	150.0	5.0	FC150		-/120/120

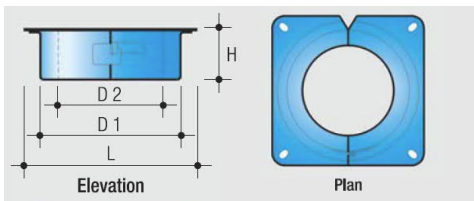
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Table 18 Schedule of components

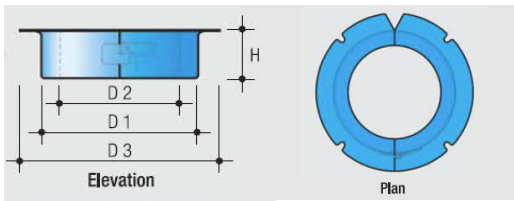
ID	Description					
1	Name	uPVC pipe				
	Size	Pipe material	Nominal outside diameter OD (mm)		Pipe wall thickness (mm)	
		uPVC	43	2.2-2.6		
			55	2.2-3.0		
			69	2.8-3.2		
			83	3.0-3.4		
			110	3.4-4.3		
			161	4.5-6.5		
			225	6.5		
			251	6-6.5		
315	8.2-10					
Installation	Pipes to be supported at 500 mm and 1500 mm from the support element.					
2	Name	HDPE pipes				
	Size	Pipe material	Nominal outside diameter OD (mm)		Pipe wall thickness (mm)	
		HDPE	40.9	3.15		
			50.0	3.0		
			56.0	3-3.4		
			63.5	3.3		
			75.0	3-4.0		
			110	4.3-5.0		
			125	3.9-6.0		
			150	4.9		
254	8.0-10					
317	13.5					
Installation	Pipes to be supported at 500 mm and 1500 mm from the support element.					
3	Name	PROMASEAL® FC Fire Collar				
	Configuration					
	Size	Code no.	Pipe nom. size (mm)	Body (mm)		
			H	D1	D2	L
FC 40		40	43	77	45	112
FC 50	50	43	90	58	125	

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ID	Description																																												
	<table border="1"> <tr> <td>FC 65</td> <td>65</td> <td>43</td> <td>103</td> <td>71</td> <td>138</td> </tr> <tr> <td>FC 80</td> <td>80</td> <td>43</td> <td>123</td> <td>85</td> <td>158</td> </tr> <tr> <td>FC 100</td> <td>100</td> <td>53</td> <td>150</td> <td>112</td> <td>185</td> </tr> <tr> <td>FC 150</td> <td>150</td> <td>73</td> <td>200</td> <td>162</td> <td>235</td> </tr> <tr> <td>FC 250*</td> <td>250</td> <td>120</td> <td>316</td> <td>254</td> <td>380Ø</td> </tr> <tr> <td>FC 300*</td> <td>300</td> <td>160</td> <td>402</td> <td>318</td> <td>466Ø</td> </tr> </table> <p>*FC200 to FC300 have circular bases</p>	FC 65	65	43	103	71	138	FC 80	80	43	123	85	158	FC 100	100	53	150	112	185	FC 150	150	73	200	162	235	FC 250*	250	120	316	254	380Ø	FC 300*	300	160	402	318	466Ø								
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4	Name PROMASEAL® FCS Fire Collar																																												
	Configuration 																																												
	<table border="1"> <thead> <tr> <th rowspan="2">Size</th> <th rowspan="2">Code No.</th> <th rowspan="2">uPVC pipe nom. (mm)</th> <th rowspan="2">HDPE pipe nom. (mm)</th> <th colspan="3">Body (mm)</th> <th>Flange (mm)</th> </tr> <tr> <th>H</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td></td> <td>FCS40</td> <td>40</td> <td>50</td> <td>43</td> <td>84</td> <td>56</td> <td>131</td> </tr> <tr> <td></td> <td>FCS50</td> <td>50</td> <td>56</td> <td>43</td> <td>98</td> <td>70</td> <td>145</td> </tr> <tr> <td></td> <td>FCS65</td> <td>65</td> <td>75</td> <td>43</td> <td>113</td> <td>84</td> <td>161</td> </tr> <tr> <td></td> <td>FCS100</td> <td>100</td> <td>100</td> <td>53</td> <td>167</td> <td>127</td> <td>214</td> </tr> </tbody> </table>	Size	Code No.	uPVC pipe nom. (mm)	HDPE pipe nom. (mm)	Body (mm)			Flange (mm)	H	D1	D2	D3		FCS40	40	50	43	84	56	131		FCS50	50	56	43	98	70	145		FCS65	65	75	43	113	84	161		FCS100	100	100	53	167	127	214
Size	Code No.					uPVC pipe nom. (mm)	HDPE pipe nom. (mm)	Body (mm)			Flange (mm)																																		
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	Installation Fixings are listed in item 8.																																												
5	Name Sealant																																												
	Product PROMASEAL® A Acrylic sealant																																												
	Installation Applied at the 2 mm - 5 mm annular gaps between supporting walls or floors and pipes. Gap between edge of pipe and inner surface of collar sealed with a fillet of sealant. The voids in the BONDEK® steel deck that the collars go over when fixed are filled to the edge of the collar with PROMASEAL® AN Acrylic sealant.																																												
6	Name Supporting plasterboard lined wall																																												
	Specification Framed wall consisting of min. 64 mm steel studs clad with one layer of 13 mm plasterboard – on each side for one hour plasterboard wall systems, or two layers of 13 mm or 16 mm thick fire grade plasterboard on each side for two hour plasterboard wall system.																																												
7	Name Supporting floor slab																																												
	Specification Minimum 120 mm thick reinforced concrete slab with or without LYSAGHT BONDEK® steel deck. Or 266 thick Promat SYSTEMPANEL™ 2G floor/ceiling system. Or 100 mm thick PROMASEAL® Bulkhead sealer system installed in minimum 120 mm thick concrete slab.																																												

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ID	Description			
8	Name	Collar fixing		
		Collar code	Floor	Plasterboard lined wall
		FC/FCS 40, 50, 65, 80, 100	6 mm x 25 mm dynabolt or 20 mm masonry hammer in anchors or 6 mm x 35 mm DBZ	Fixed to both sides with 4-off 6g x 40 mm coarse thread bugle head screws
		FC 150, 250	Fixed to underside with 4-off 6.5 mm x 35 mm dynabolt fasteners	Fixed to each other through the wall using 8-off 6g x 150 mm long galvanised hex bolts with stainless steel nuts
	FC 300	Fixed to underside using 8-off 6.5 mm x 50 mm long masonry anchors.	Fixed to each other (through the wall) with 8-off 8 mm x 150 mm long nut bolts with a washer at each end	Where collar fixed through one layer of 25 mm PROMATECT® board, fixed with four 10g x 40 mm coarse thread bugle head screws. For multiple pipe penetrations, adjacent collar flanges must not overlap. In cases where collar flanges of adjacent pipes may overlap, the flange must be cut in a single straight line to avoid overlap – as shown in Figure 16.
9	Name	Coestilen® HDPE		
	Size	Pipe material	Outside diameter (mm)	Pipe wall thickness (mm)
		Coestilen® HDPE	56	3.0 (nom.)
			75	4.0 (nom.)
			110	5.0 (nom.)
			125	6.0 (nom.)
			160	7.5 (nom.)
			200	7.0 (nom.)
	250		8.0 (nom.)	
10	Name	PROMATECT® 100 and PROMATECT® 250		
	Thickness	One layer of 25 mm thick each side of the Speedpanel panels.		
	Installation	<p>Board may be installed in one or more pieces. If the board is installed in multiple pieces, joins in the board must be sealed with sealant (item 5). Also, installed so that the aperture in the board is the same as the aperture in the Speedpanel wall.</p> <p>For 1 x 25 mm thick systems, fixed to Speedpanel panels with 10g x 40 mm coarse thread bugle head screws at 100 mm maximum centres.</p> <p>Daub of sealant (item 5) located at edge of plasterboard, between board and wall.</p> <p>Gap between board and Speedpanel produced by Speedpanel profile to be filled with sealant (item 5). Fillet of sealant (item 5) applied from top edge of board to Speedpanel.</p> <p>Annular gap around pipe filled with sealant (item 5) to the depth of the board.</p>		
11	Name	Speedpanel wall		
	Thickness	78 mm		
	Pipe aperture	Aperture in wall for pipe services to be as tested in EWFA 2517300.2 or a maximum of 5 mm greater than pipe diameter.		
	Specification	Speedpanel wall must be as tested in EWFA 2517300.2.		
12	Name	Speedpanel channel		

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ID	Description	
	Material	Galvanised mild steel
	Size	83 mm wide x 58 mm high x 1.2 mm thick
	Sealant	Gap between channel and Speedpanel produced by Speedpanel profile to be filled with sealant (item 5).

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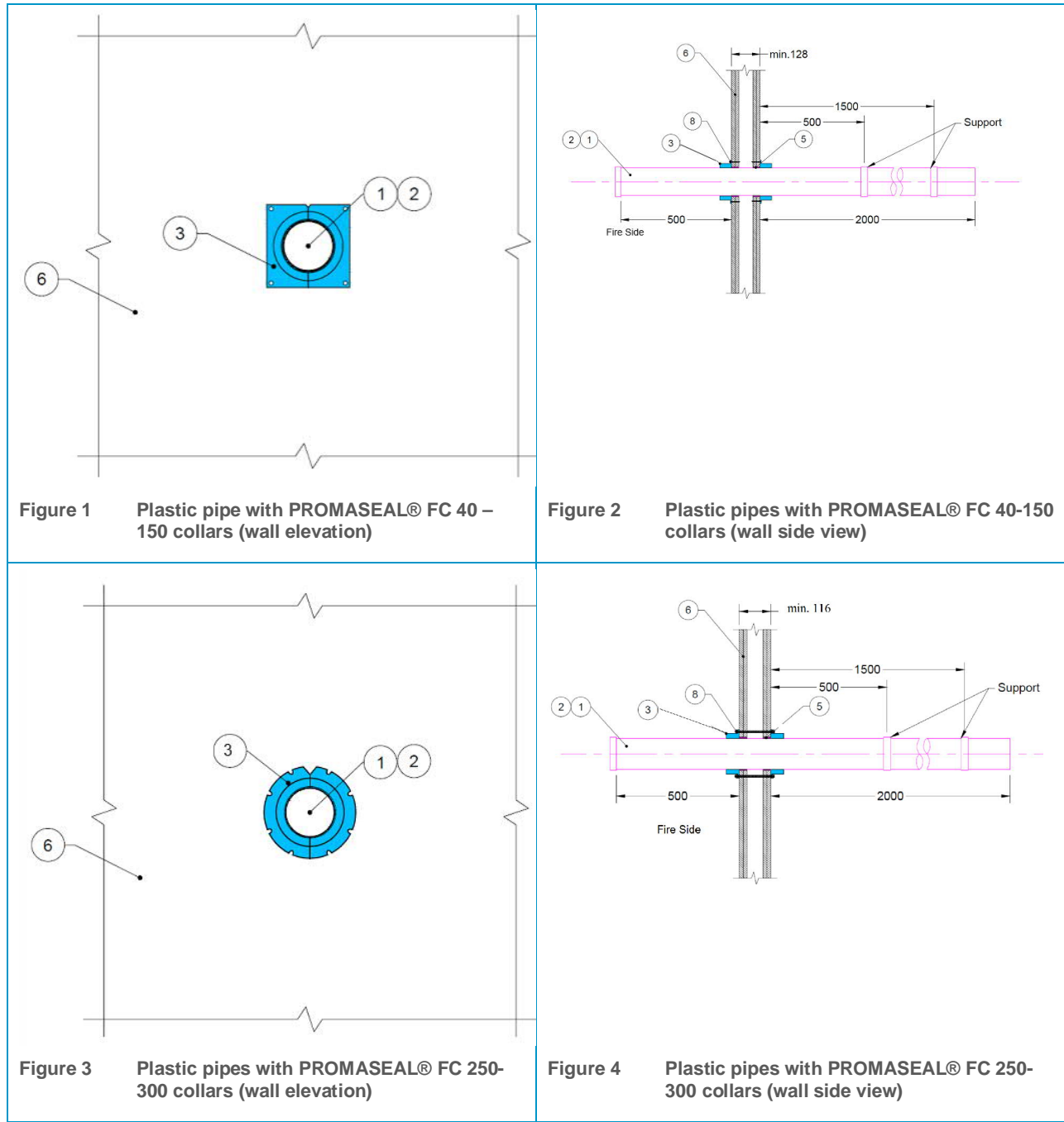
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System figures

The leaders in the drawings represent the items listed in Table 17. All measurements, unless indicated, are in millimetres.



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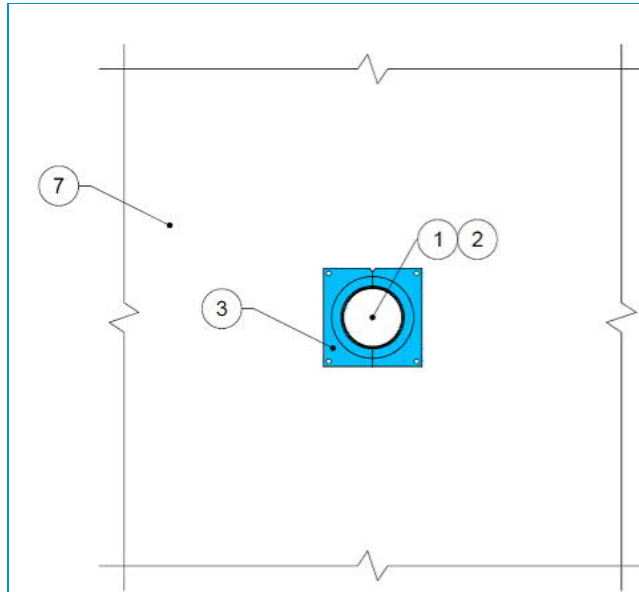


Figure 5 Plastic pipe with PROMASEAL® FC 40 – 150 collars (floor underside plan view)

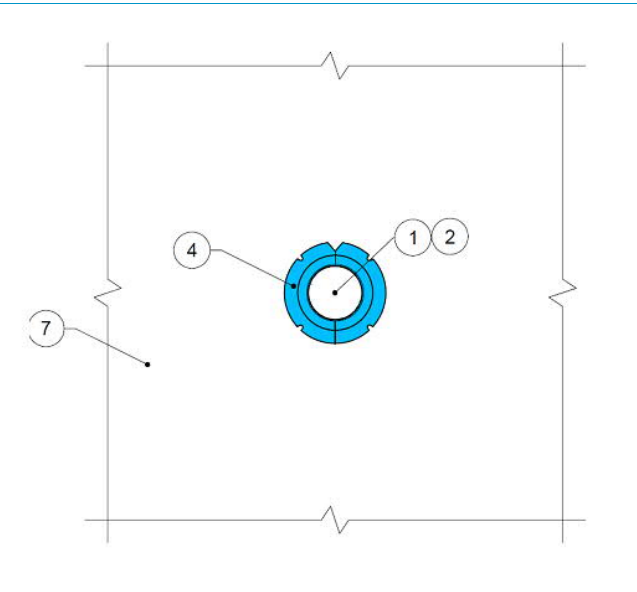


Figure 6 Plastic pipe with PROMASEAL® FCS 40 – 100 collars (floor underside plan view)

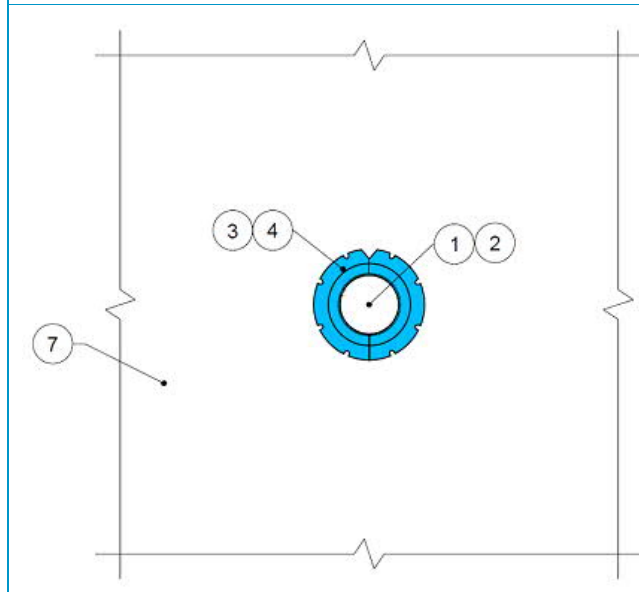


Figure 7 Plastic pipe with PROMASEAL® FCS 250-300 collars (floor underside plan view)

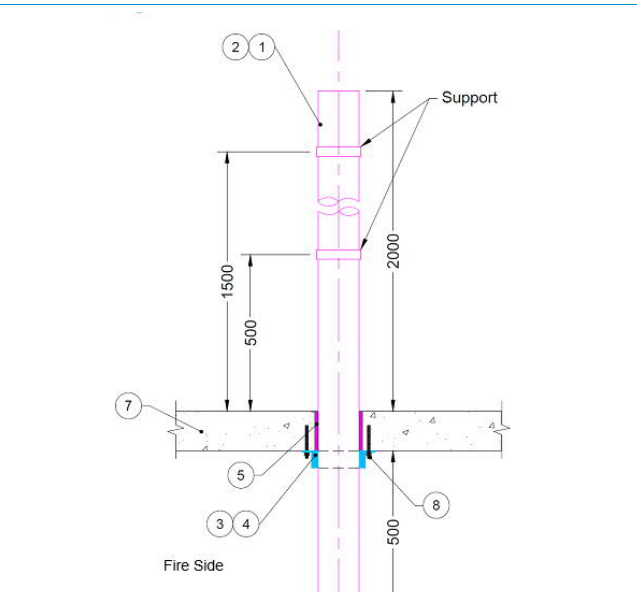


Figure 8 Plastic pipes with PROMASEAL® FC collars (floor side view)

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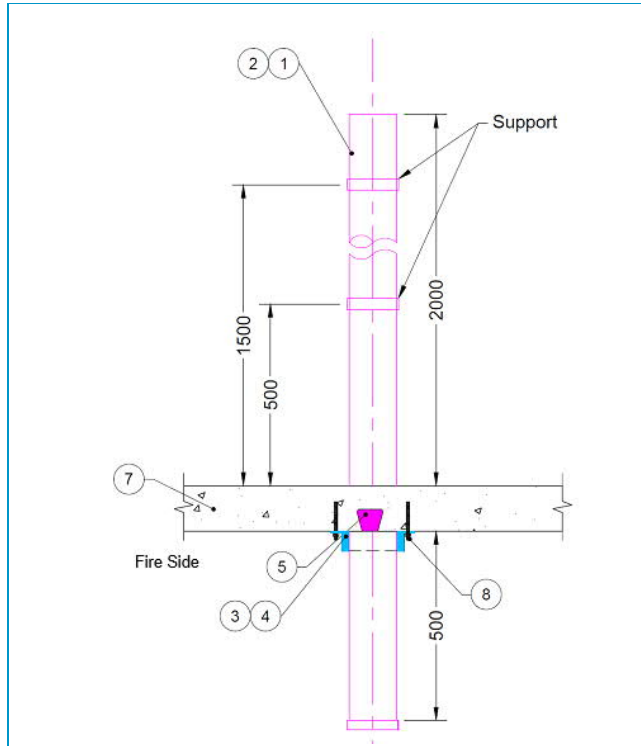


Figure 9 Plastic pipes with PROMASEAL® FC collars in floors with Bondek® steel deck

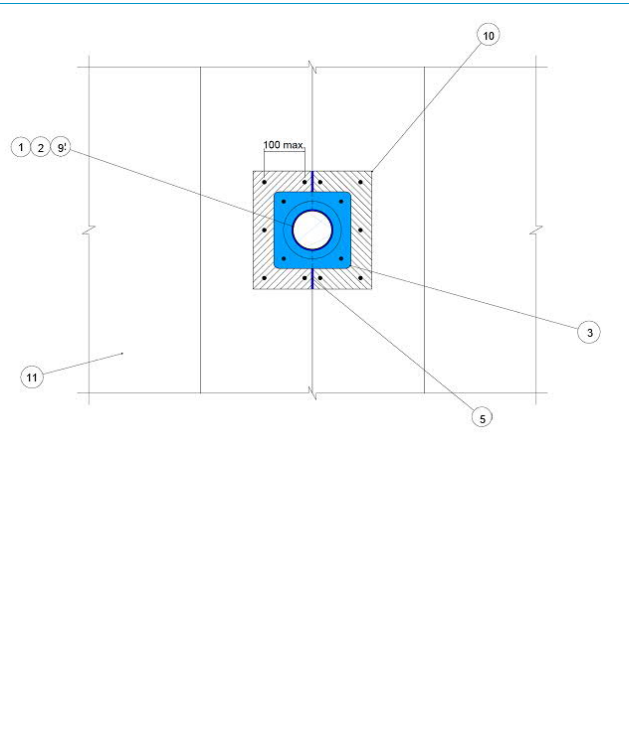


Figure 10 Plastic pipes up to Ø110 mm (elevation)

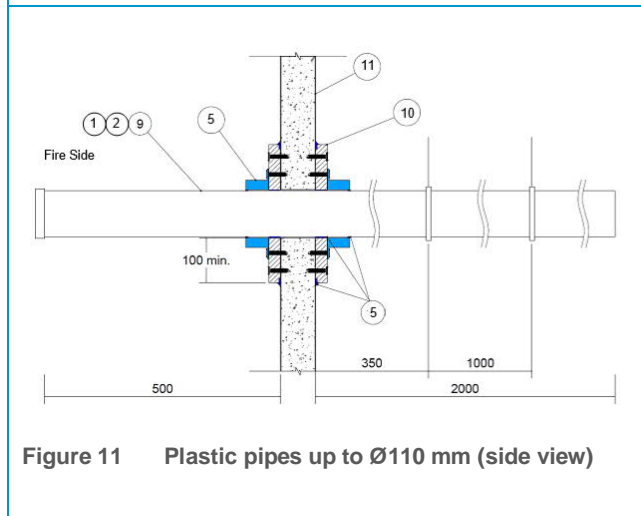


Figure 11 Plastic pipes up to Ø110 mm (side view)

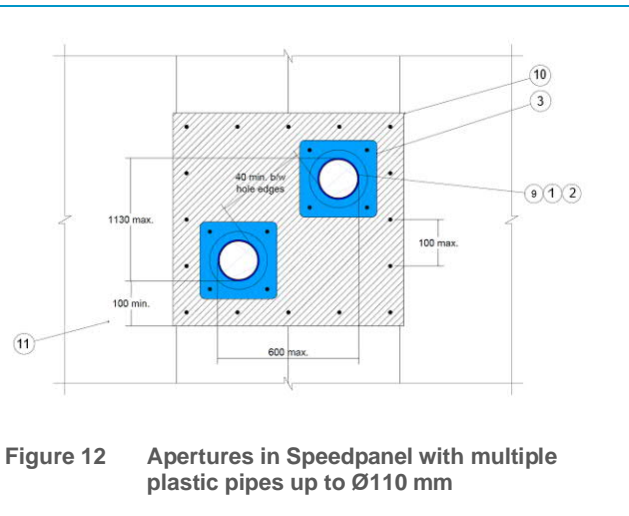


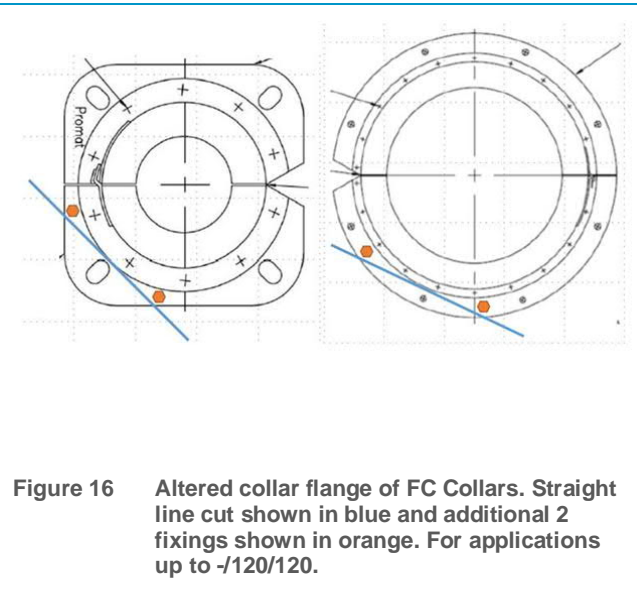
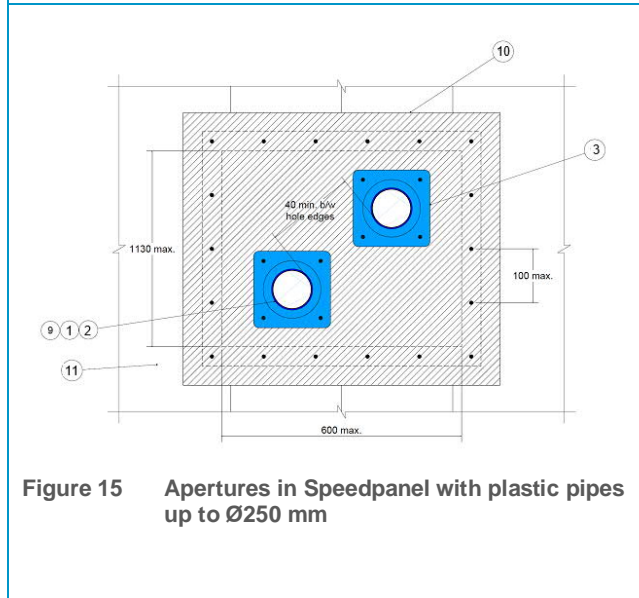
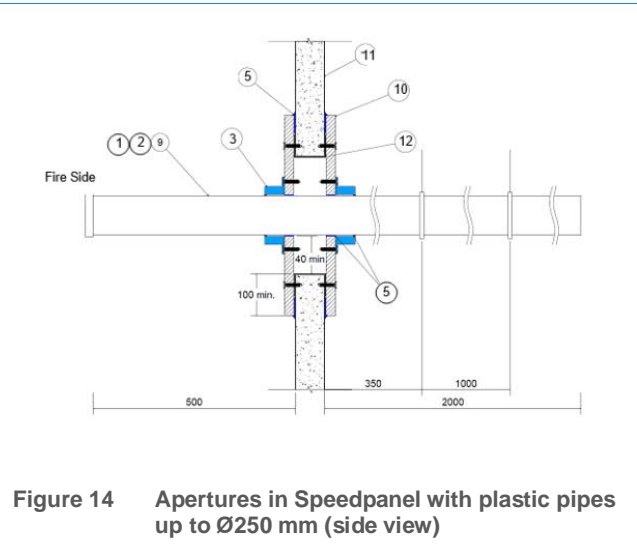
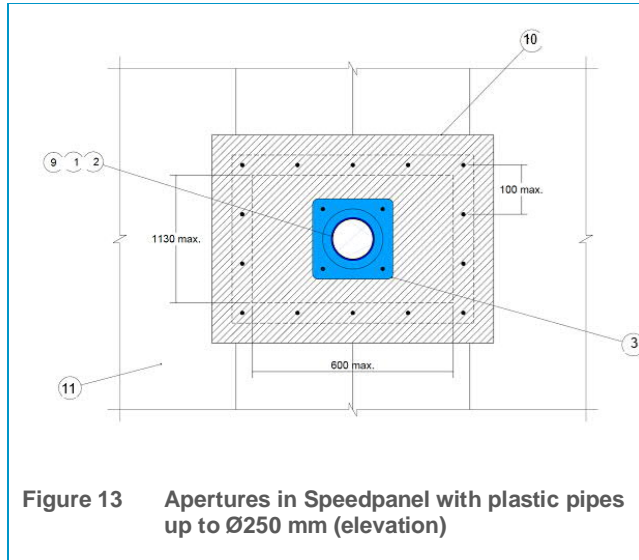
Figure 12 Apertures in Speedpanel with multiple plastic pipes up to Ø110 mm

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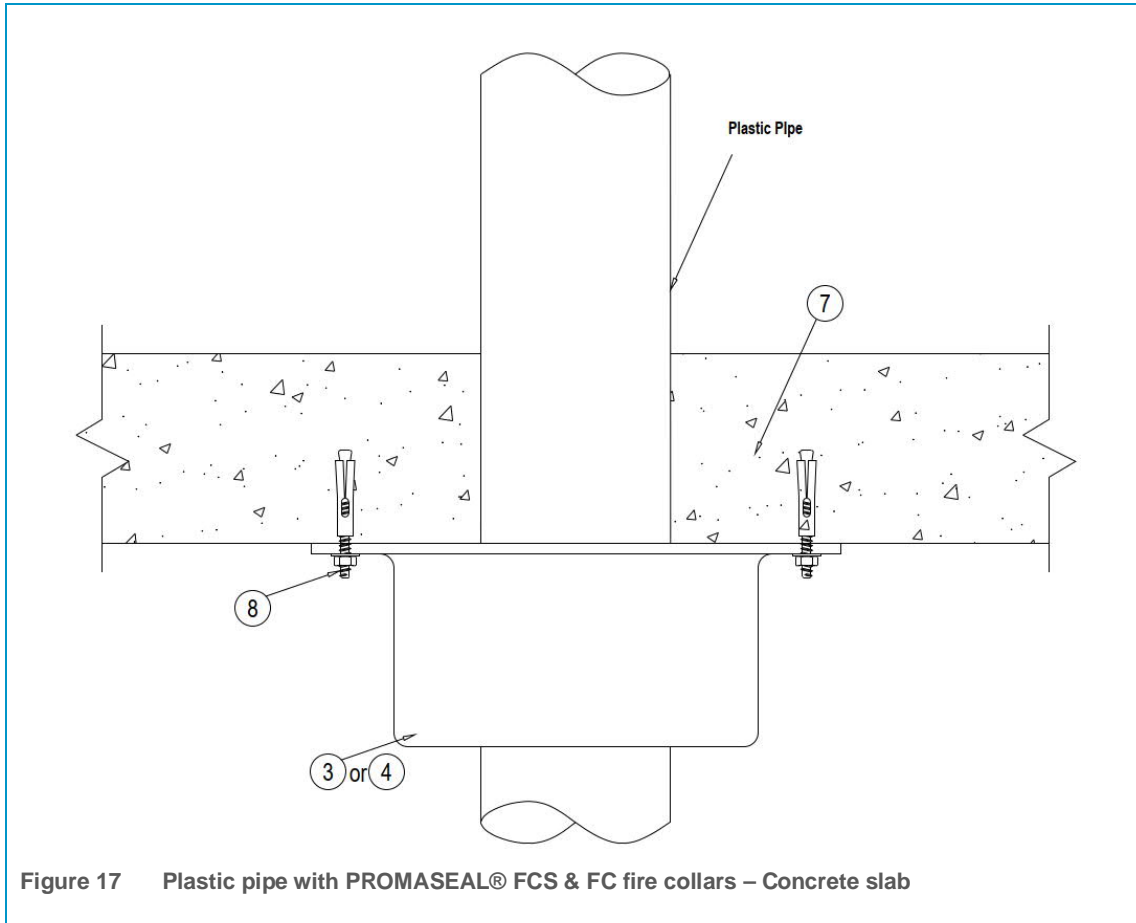
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The drawings shown here represent general installation details of the collars. Please refer to figures within this certificate or relevant data sheets for specific installation details.

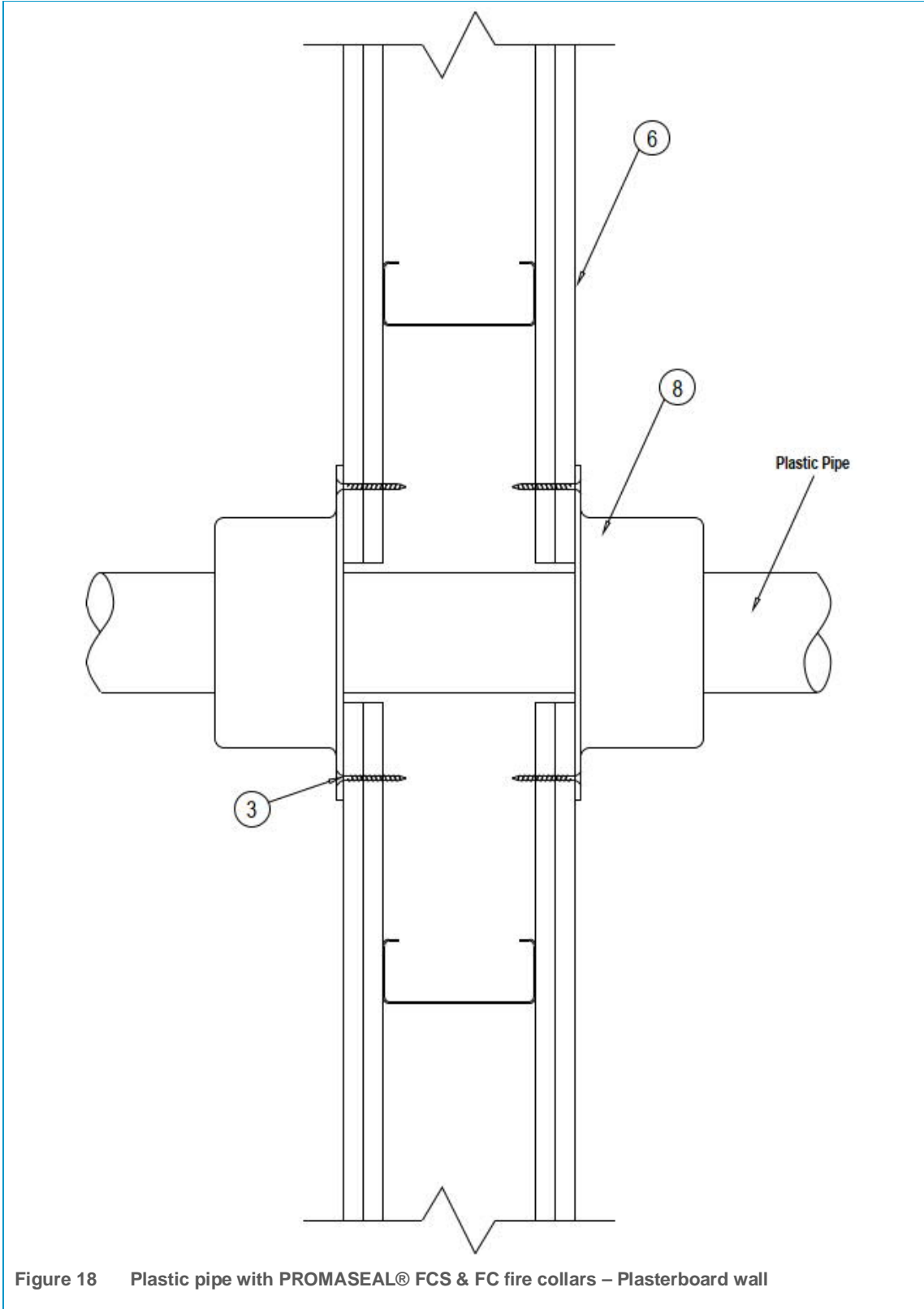


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3. Direct field of application

- The systems outlined in this certificate apply to penetrations in walls exposed to fire from either side or floors exposed to fire from the underside only.
- The systems outlined in framed wall systems may be applied to systems installed in concrete, masonry or solid gypsum blocks of greater or equal thickness.
- The systems outlined in framed wall systems may be applied to walls having studs of the same materials and greater sizes.
- The systems outlined in framed wall systems may be applied to framed walls systems of similar construction but having thicker facings of the same material applied to the studs.

4. Requirements

This certificate details the methods of construction, test conditions and assessed results that would have been expected had the specific elements of construction described here been tested in accordance with the requirements of the referenced technical schedule.

Any further variations with respect to size, constructional details, loads, stresses, edge or end conditions, other than those identified in this certificate, may invalidate the conclusions drawn in this certificate.

It is required that the supporting construction be otherwise tested or assessed to achieve the FRL as required in accordance with AS 1530.4:2014.

5. Accreditation

The Certifire product certification scheme operated by Warringtonfire Certification has been endorsed by JAS-ANZ as being suitable for issuing JAS-ANZ accredited certification by conforming to assessment bodies accredited to the scheme by JAS-ANZ. The Certifire scheme is currently in the process of gaining full accreditation under JAS-ANZ.

6. Validity

Warringtonfire Australia does not endorse the tested or assessed product in any way. The conclusions of the results in this certificate may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all conditions.

Due to the nature of fire testing and the consequent difficulty in quantifying the uncertainty of measurement, it is not possible to provide a stated degree of accuracy. The inherent variability in test procedures, materials and methods of construction, and installation may lead to variations in performance between elements of similar construction.

The assessed systems within this certificate are based on information and experience available at the time of preparation. The published procedures for the conduct of tests and the assessment of test results are subject to constant review and improvement. It is therefore recommended that this report be reviewed on, or before, the stated expiry date.

The assessed results represent our opinion about the performance of the proposed system/s expected to be demonstrated on a test carried out in accordance with the requirements of the referenced technical schedule.

The client has requested product certification for the specified product under the Certifire scheme for their own purposes, and this certificate has been prepared to meet the requirements of the relevant product technical schedule and any disclosed and agreed objectives reflected in the fee proposal.

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This certificate may be used as Evidence of Suitability in accordance the requirements of the relevant National Construction Code. However, Warringtonfire Australia cannot guarantee the following:

- Whether it will be accepted by the relevant building authorities and / or any other relevant parties.
- The suitability of the system/s for a specific installation. This must be determined by the installer, builder and / or relevant building authority.

7. Authority

Applicant undertakings and conditions of use

Promat Australia Pty Ltd confirms that:

- To their knowledge the component or element of structure, which is the subject of the assessed results within this certificate, has not been subjected to a fire test to the standard against which assessment of this product is being made.
- They agree to withdraw this certificate from circulation should the component or element of structure be the subject of a fire test by a test authority in accordance with the standard against which the assessed results are being made and the results are not in agreement with this certificate.
- They are not aware of any information that could adversely affect the conclusions of the assessed results in this certificate and if they subsequently become aware of any such information, agree to ask the assessing authority to withdraw the assessment and subsequent product certificate.

General conditions of use

This certificate may only be reproduced in full without modifications by the report sponsor. Copies, extracts or abridgments of this certificate in any form must not be published by other organisations or individuals without the permission of Warringtonfire Australia Pty Ltd.

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Appendix A Overview of test / assessment evidence

Table 19 and Table 20 outline all the fire resistance test evidence and assessed configurations that are detailed in

Table 2 to Table 16 that form the basis of approval for the scope outlined in this certificate.

Table 19 Test evidence

Number	Test report number	Original tested standard
1	7745	EN 1366 - Part 3
2	2227800.1	AS1530.4-2005
3	2373900	AS1530.4-2005
4	2517300.2	AS1530.4-2005
5	2611300	AS1530.4-2005
6	2878600.1	AS1530.4-2005
7	41088as.1	AS1530.4-1997
8	A-07-487	AS1530.4-2005
9	A-07-508A.1	AS1530.4-2005
10	A-08-527	AS1530.4-2005
11	A-08-528	AS1530.4-2005
12	A-08-531	AS1530.4-2005
13	A-08-532	AS1530.4-2005
14	A-10-672a.1	AS1530.4-2005
15	A-11-734	AS1530.4-2005
16	A-13-852a	AS1530.4-2005
17	A-13-853a	AS1530.4-2005
18	A-14-920	AS1530.4-2005
21	A-17-063	AS1530.4:2014
22	A-17-064	AS1530.4:2014
23	A-18-013	AS1530.4:2014
24	A-18-023	AS1530.4:2014
25	A-19-013A	AS1530.4:2014
26	A-20-016A	AS1530.4:2014
27	A-20-024A	AS1530.4:2014
28	A-21-057	AS1530.4:2014
29	A-21-059	AS1530.4:2014
30	F91604-	AS1530.4-1990
31	F91611	AS1530.4-1990
32	F91621	AS1530.4-1990
33	F91624	AS1530.4-1990
34	F91730	AS1530.4-1997
35	F91741	AS1530.4-1997

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Number	Test report number	Original tested standard
36	F91742	AS1530.4-1997
37	F91754	AS1530.4-1997
38	F91765	AS1530.4-1997
39	F91783	AS1530.4-1997
40	F91797	AS1530.4-1997
41	FR4115	BS 476: Part 20: 1987
43	FRT210441 R1.0	AS1530.4:2014
45	FSP 1464	AS1530.4-2005
46	FSP 1464A	AS1530.4-2005
47	FSP 1471	AS1530.4-2005

Table 20 Assessment evidence

Number	Assessment report number	Assessment standard
1	29592300	AS 1530.4

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