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## Certificate of approval

### Certificate number AC101.1

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This is to certify that Promat Australia Pty Ltd has carried out the certification of PROMASTOP® UniCollar 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

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Certified product	Technical schedule	Approved standard
PROMASTOP® UniCollar fire collars	ATS20	AS 1530.4:2014 AS 4072.1:2005

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Signed on behalf of Warringtonfire Certification – Australia

Chad McLean  
Certification manager - Australia



Original issue date	6 June 2022
Revised issue date	4 October 2022
Certificate valid to	6 June 2027

This certificate is the property of Warringtonfire Australia  
ABN: 81 050 241 524 Address: 409-411 Hammond Rd, Dandenong VIC 3175 Australia

## 1. Introduction

This certificate of approval is for the use of PROMASTOP® UniCollar 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, PP, Fastflow uPVC and combinations of PPR & PEX and uPVC & HDPE pipes penetrating through various wall and floor systems protected with the PROMASTOP® UniCollar fire 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 PROMASTOP® UniCollar 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 / Pinnacle Quality Pty Ltd
Audit objectives	The objective of the audit is to: <ul style="list-style-type: none"> <li>determine the conformity of the client's management system, or parts of it, with audit criteria</li> <li>determine the ability of the management system to ensure the client meets applicable contractual requirements</li> </ul>

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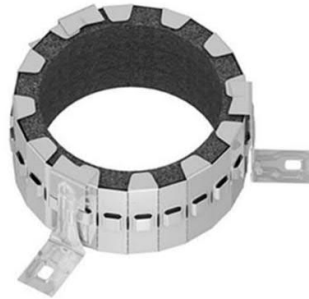
Item	Detail
	<ul style="list-style-type: none"> <li>determine the effectiveness of the management system to ensure the client can reasonably expect to achieve their specified objectives</li> <li>determine adequate process control of product manufacturing</li> <li>as applicable, identify areas for potential improvement in the management system.</li> </ul>
Date of inspection	29 July 2021
Outcome	The audit satisfied the requirements of the Certifire scheme.

## 2. Formal scope of certification

### General product description

PROMASTOP® UniCollar® is an intumescent device designed to maintain the integrity of the fire resistant elements through which various plastic pipes pass. It is suitable for retrofit installation in various floors and walls similar to that in which it has been tested. In the event of a fire, the intumescent material in the PROMASTOP® UniCollar® rapidly expands, closing off the plastic pipe or combustible insulation and forming an insulating barrier.

A representative image of the product is shown here.



### General requirements

- 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.

### Approval matrix

**Table 3 HDPE pipes penetrating a 120 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	3.5	UC40	-/240/180
56	3.5	UC56	-/240/180
63	3.0	UC63	-/240/180
75	4.0	UC75	-/240/180
90	3.5	UC90	-/240/180
110	5.0	UC110	-/240/180
125	4.9	UC125	-/120/90
150	6.2	UC150	-/120/90
150**	6.2	UC150	-/240/180

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200	6.2	UC200	-/45/45
200*	6.2	UC200	-/45/45

\* The pipe was capped on both exposed and unexposed sides.

\*\* The penetration was protected by two PROMASTOP® UniCollars, both fitted on the exposed side.

**Table 4 HDPE pipes penetrating a 2 hour fire rated plasterboard partition protected by one PROMASTOP® UniCollar on each side**

Nom. pipe Size (mm)	Wall thickness (mm)	Collar type	FRL
40	3.0	UC40	-/120/120
50	3.0	UC50	-/120/120
63	3.0	UC63	-/120/120
90	3.5	UC90	-/120/120
110*	5.0	UC110	-/120/120
200	8.5	UC200	-/30/30

\* The penetration was protected by only one PROMASTOP® UniCollar on the exposed side only.

**Table 5 uPVC pipes penetrating a 120 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	2.2	UC40	-/240/180 (-/120/120)*
50	2.7	UC50	-/240/180 (-/120/120)*
65	2.8	UC65	-/120/120 (-/120/120)*
80	3.2	UC80	-/120/120 (-/120/120)*
100	3.2	UC100	-/120/120 (-/120/120)*
150	4.2	UC150	-/180/120

\* The FRL in bracket is for the penetration with a pipe joiner fitting included within the collar.

**Table 6 uPVC pipes penetrating a 2 hour fire rated plasterboard partition protected by one PROMASTOP® UniCollar on each side**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	2.4	UC40	-/120/120
50	2.5	UC50	-/240/120
65	3.0	UC65	-/240/120
80	3.2	UC80	-/120/120
100	3.7	UC100	-/180/120

**Table 7 uPVC pipes penetrating a 128 mm plasterboard wall system with two layers of minimum 16 mm thick fire rated plasterboard protected by one PROMASTOP® UniCollar on each side**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
150	4.0	UC150	-/120/90

**Table 8 PP pipes penetrating a 120 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
110	5.0	UC110	-/240/240

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For pipe penetrations protected by PROMASTOP® UniCollars in a 150 mm thick concrete slab, which has a nominated integrity and insulation performance of 180 minutes according to AS 3600:2018, the following fire resistance performances are likely to be achieved if they are tested in accordance with AS 1530.4:2014 and AS 4072.1:2005 as appropriate.

**Table 9 HDPE pipes penetrating a 150 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	3.5	UC40	-/240/180
56	3.5	UC56	-/240/180
63	3.0	UC63	-/240/180
75	4.0	UC75	-/240/180
90	3.5	UC90	-/240/180
110	5.0	UC110	-/240/180
125	4.9	UC125	-/120/90
150	6.2	UC150	-/120/90
150**	6.2	UC150	-/240/180
200	6.2	UC200	-/120/120
200*	6.2	UC200	-/180/120

\* The pipe was capped on both exposed and unexposed sides.

\*\* The penetration was protected by two PROMASTOP® UniCollars, both fitted on the exposed side.

**Table 10 uPVC pipes penetrating a 150 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	2.2	UC40	-/240/240 (-/120/120)*
50	2.7	UC50	-/240/180 (-/120/120)*
65	2.8	UC65	-/120/120 (-/120/120)*
80	3.2	UC80	-/120/120 (-/120/120)*
100	3.2	UC100	-/240/180 (-/120/120)*
150	4.2	UC150	-/180/180

\* The FRL in bracket is for the penetration with a pipe joiner fitting included within the collar.

For pipe penetrations protected by PROMASTOP® UniCollars in a 170 mm thick concrete slab, which has a nominated integrity and insulation performance of 240 minutes according to AS 3600:2018. The following fire resistance performance is likely to be achieved if they are tested in accordance with AS 1530.4:2014 and AS 4072.1:2005 as appropriate.

**Table 11 HDPE pipes penetrating a 170 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	3.5	UC40	-/240/240
56	3.5	UC56	-/240/240
63	3.0	UC63	-/240/180
75	4.0	UC75	-/240/240
90	3.5	UC90	-/240/180
110	5.0	UC110	-/240/240
125	4.9	UC125	-/120/90

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150	6.2	UC150	-/120/90
150**	6.2	UC150	-/240/180
200	6.2	UC200	-/120/120
200*	6.2	UC200	-/180/120

\* The pipe was capped on both exposed and unexposed sides.

\*\* The penetration was protected by two PROMASTOP® UniCollars, both fitted on the exposed side.

**Table 12 uPVC pipes penetrating a 170 mm thick concrete floor slab protected by one PROMASTOP® UniCollar on the exposed face**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	2.2	UC40	-/240/240 (-/120/120)*
50	2.7	UC50	-/240/180 (-/120/120)*
65	2.8	UC65	-/120/120 (-/120/120)*
80	3.2	UC80	-/120/120 (-/120/120)*
100	3.2	UC100	-/240/240 (-/120/120)*
150	4.2	UC150	-/180/180

\* The FRL in bracket is for the penetration with a pipe joiner fitting included within the collar.

**Table 13 uPVC pipes penetrating a 116 mm thick plasterboard wall system with single layer of minimum 13 mm thick fire rated plasterboard**

Nom. pipe size (mm)	Wall thickness (mm)	Collar type	FRL
40	2.2	UC40	-/60/60
50	2.7	UC50	-/60/60

**Table 14 FASTFLOW uPVC pipes in a double layer of 16 mm thick fire rated plasterboard wall system**

Nom. pipe size (mm)	Collar type	FRL
40	UC40	-/120/120
50	UC50	-/120/120
63	UC63	-/120/120
90	UC90	-/120/120
110	UC110	-/120/120
125	UC125	-/120/120

**Table 15 FASTFLOW uPVC pipes in a 150 mm thick concrete slab**

Nom. pipe size (mm)	Collar type	FRL
40	UC40	-/120/120
50	UC50	-/120/120
63	UC63	-/120/120
90	UC90	-/120/120
110	UC110	-/120/120
125	UC125	-/90/60
150	UC150	-/120/120

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**Table 16 Various plastic pipes protected with PROMASTOP® UniCollar in ComFlor concrete slab**

Pipe type	Nom. pipe size (mm)	Collar type	FRL
PPR	25	Suitable UniCollar	-/120/90
	40-110		-/120/90
PEX pipe	Up to 25 mm		-/120/90

**Table 17 Various plastic pipes protected with PROMASTOP® UniCollar on exposed side and PROMASEAL® SupaWrap on the unexposed side in 60 mm thick Vermiculux board in concrete floor slab**

Pipe type	Nom. pipe size (mm)	Sealing system	FRL
uPVC	32-110	PROMASTOP® UniCollar on exposed side and PROMASEAL® SupaWrap on the unexposed side	-/120/120
HDPE	40-110		-/120/120

**Table 18 Fastflow uPVC, Rehau Raupiano plus and Valsir Triplus pipes protected with PROMASTOP® Unicollars in built-up Speedpanel wall**

Pipe material	Nominal pipe diameter (OD mm)	Fire collar	Min. wall depth (mm)	FRL
Fastflow uPVC	50	UC50	78 mm thick Speedpanel wall together with 25 mm thick PROMATECT 100 or 250 boards either side (total minimum thickness is 128 mm)	-/120/120
	65	UC75		
	75	UC75		
	100	UC110		
	125	UC125		
	160	UC160		
Rehau Raupiano plus (PP-MD)	40	UC40		-/120/120
	50	UC50		
	75	UC75		
	90	UC75		
	110	UC110		
Valsir Triplus	40~100	Suitable UniCollar		-/120/120
	160	UC160		-/120/90

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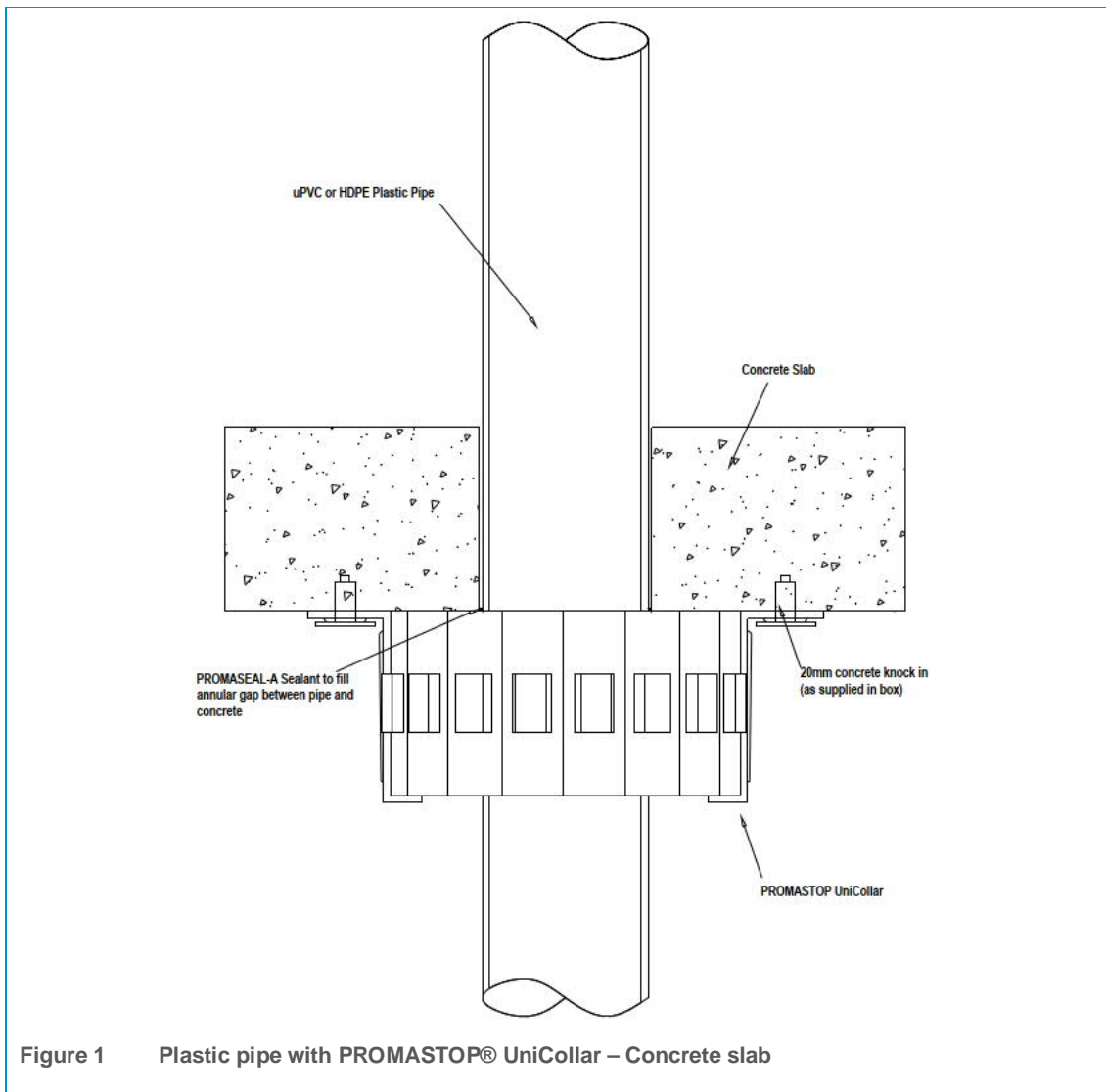
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**System figures**

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



**Figure 1 Plastic pipe with PROMASTOP® UniCollar – Concrete slab**

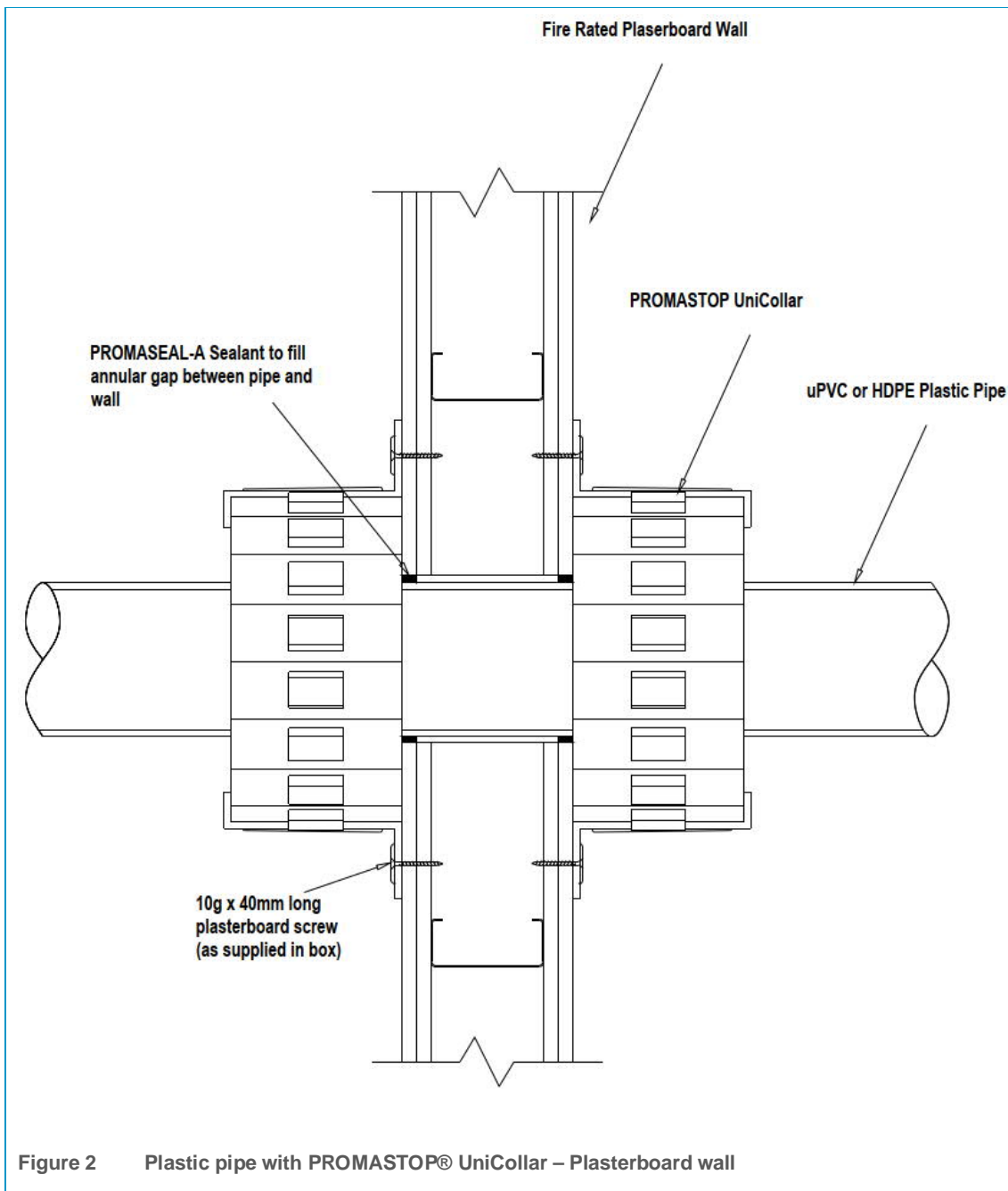
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### 3. Direct field of application

- 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 form the basis of approval for the scope outlined in this certificate.

**Table 19 Test evidence**

Number	Test report number	Original tested standard
1	F91797A	AS1530.4-1997
2	F91810A	AS1530.4-1997
3	F91793	AS1530.4-1997
4	FSP0785	AS1530.4-1997
5	FSP0786	AS1530.4-1997
6	F91872	AS1530.4-1997
7	F91873	AS1530.4-1997
8	A-16-016	AS1530.4-2005
9	FSRG201644	AS 1530.4:2014
10	FSRG201650	AS 1530.4:2014
11	FP6114	AS 1530.4:2014
12	FR 10131-001	AS 1530.4:2014
13	A-21-058	AS 1530.4:2014
14	A-21-060	AS 1530.4:2014
15	A-22-005	AS 1530.4:2014
16	FRT210440 R1.0	AS 1530.4:2014
17	FRT210441 R1.0	AS 1530.4:2014

**Table 20 Assessment evidence**

Number	Assessment report number	Assessment standard
1	C91611a	AS 1530.4

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