

# Promat

## Promat Australia Pty. Ltd.

# SYSTEM CERTIFICATE\*

This is to certify that

## PROMASEAL® Conduit Collar (CFC)\*

Has been assessed in Warrington Report FAS220123 protecting various pipe penetrations through various substrates for a range of pipe sizes described below in accordance with AS1530.4:2014 & AS4072.1:2005.

(Refer last page for important notes before installing)

Min 90mm thick FR Plasterboard Wall (1 x 13mm FR Plasterboard to each face)

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PEX	20-32	2.17-2.9	-/60/60	Each Face
	PEX/Al/PEX	16-20	3.1-3.2	-/60/60	Each Face
	PPR	20	3.15	-/60/60	Each Face
	uPVC with Fibre Optic	20	2.01	-/60/60	Each Face
	Flex uPVC with TPS	20	0.5	-/60/60	Each Face

Min 116mm thick FR Plasterboard Wall (2 x 13mm FR Plasterboard to each face)

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC & PROMASEAL® AG	PEX	20	2.01-3.31	-/120/90	CFC-UX / AG-EX
	PEX	20	2.01 – 3.31	-/120/120	CFC-EX / AG-UX
PROMASEAL® CFC	PEX with cable	25	3.15	-/120/90	Each Face

UX = Unexposed Side / EX = Exposed Side

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Min 128mm thick FR Plasterboard Wall (2 x 16mm FR Plasterboard to each face)

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PB	22		-/240/180	Each Face
	PE	32	3.4	-/240/180	Each Face
	PEX (Auspex)	16-20	2-2.4	-/180/180	Each Face
	PEX (Auspex)	25	2.8	-/180/120	Each Face
	PEX-A	20	3.2	-/180/180	Each Face
	PEX-A	25-32	4-4.7	-/180/120	Each Face
	PEX/AL/PEX	16	3	-/180/180	Each Face
	PEX/AL/PEX	20	3	-/180/60	Each Face
	PEX/AL/PEX	25	4	-/180/30	Each Face
	PEX/AL/PEX	32	5	-/180/60	Each Face
	PEX/Al/PEX (DuoPex)	32	3	-/180/90	Each Face
	PB (Pro-fit)	18-22	1.7-2.3	-/180/180	Each Face
	PPR (Aquatherm)	32	5.5	-/240/120	Each Face
	Rehau HIS311 XLPE	16-25	2.2-3.5	-/240/120	Each Face
	uPVC	25	2.3	-/180/180	Each Face
	uPVC	32	2.2	-/240/180	Each Face
	K1 – PEA/PE	20	2.5	-/180/180	Each Face
	K2 – PEXL	25	4	-/180/180	Each Face
	uPVC with Tycab Cables	32	3.24	-/120/120	Each Face

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48mm thick solid plasterboard partition (3 x 16 FRP)

Collar	Pipe Type	Pipe Size (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PEX-A	18	2.84	-/120/60	Single Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	PEX-A	20	4.07	-/90/90	Single Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	PEX/Al/PEX	20	3.35	-/120/90	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T
	PEX/Al/PEX	25	4.15	-/120/30	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T
	PB	18	2.66	-/120/90	Single Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	PB	22	2.56	-/120/60	Single Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T

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75mm thick AAC/Hebel

Collar	Pipe Type	Pipe Size (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	Rehau PEX-A	20	3.66	-/120/90	Each Face
	Rehau PEX-A	20	6	-/180/120	Double Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	Rehau PEX-A	20	3.44	-/180/120	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T
	Rehau PEX-A	20	3.44-4.26	-/180/180	Double Collar central to wall. Thickened with 20mm board Backfilled with PROMASEAL® Graf4T
	Rehau PEX-A	25	4.73	-/120/90	Double Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	Rehau PEX-A	25	4.73	-/120/90	Each Face. Backfill with PROMASEAL® Graf4T
	Rehau PEX-A	25	4.26	-/180/90	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T
	Rehau PEX-A	32	3.2	-/180/180	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T
	PEX/Al/PEX	25	3.4	-/180/60	Double Collar central to wall.
	PEX/Al/PEX	25-32	32-3.4	-/180/60	Double Collar central to wall.
	Gas Plus HDPE/Al/PEX	16	1.6	-/180/120	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T
	Pex Plus PEX-A	16	1.6	-/180/120	Double Collar central to wall. Backfilled with PROMASEAL® Graf4T

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Min 75mm AAC/Hebel (Continued)

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	K1 – PEXc/Al/PE-HD	20	3.13	-/120/120	Double Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	K1 – PEXc/Al/PE-HD	20	3.13	-/120/120	Each Face
	uPVC	20	1.5	-/180/180	Single Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T
	uPVC	25	2.4	-/120/120	Single Collar installed flush to UX face. Backfill with PROMASEAL® Graf4T

51mm Speedpanel

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PEX	25	2.01	-/60/30	Single Collar Central to wall. Sealant EX side only
	PEX	25	2.33	-/60/60	Single Collar Central to wall. Sealant Both faces
	PEX	25	2.09	-/60/60	Double Collar Central to wall
	PEX/Al/PEX	25	3.41	-/60/30	Double Collar Central to wall
	PEX/Al/PEX	25	3.36	-/60/30	Double Collar Central to wall

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### 78mm Speedpanel

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	Rehau PEX	20	3.46	-/120/30	Collar each face with 25mm board thickening to both sides
	Rehau PEX	25	4.05	-/120/120	Collar each face with 25mm board thickening to both sides
	PEX/Al/PEX	16	3.3	-/240/180	Each face with 25mm board thickening wall. With collar backfilled with PROMASEAL® Graf4T
	PEX/Al/PEX	20	3.8	-/240/240	Each face with 25mm board thickening wall. With collar backfilled with PROMASEAL® Graf4T
	PEX-A	16-20	1.61-2.01	-/120/120	Collar each face with 25mm board thickening to both sides

### Min 120mm thick Concrete

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PEX	16	2	-/180/90	Underside
	PEX	20	2.4	-/180/180	Underside
	PEX	25	2.8	-/180/120	Underside
	PEX-A	20	3.2	-/180/120	Underside
	PEX-A	32	5.4	-/240/120	Underside
	Rehau PEX-A	16	3	-/240/120	Underside
	Rehau PEX-A	20-25	3.5-4	-/240/180	Underside
	Rehau PEX-A	32	5	-/240/120	Underside
	PEX/Al/PEX	16	3	-/240/180	Underside
	PEX/Al/PEX	20	3	-/240/120	Underside
	PEX/Al/PEX	25	4	-/240/90	Underside
	PEX/Al/PEX	32	5	-/180/120	Underside
	PEX/Al/PE-HD	25	2.5	-/240/120	Underside
	K1 – PEA/PE	25	2.7	-/180/90	Underside
	PB-Pro-Fit	18	1.7	-/240/180	Underside

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### Min 120mm thick Concrete (Continued)

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PB-Pro-Fit	22	2.3	-/240/180	Underside
	PPR – Aquatherm	25	3.6	-/240/180	Underside
	Rehau HIS311 XLPE	32	4.4	-/240/180	Underside
	uPVC	32	2	-/240/180	Underside

### Min 150mm thick Concrete

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	uPVC	32	1.3	-/240/240	Underside
	uPVC Conduit with electrical cables	25	3.76	-/120/120	Underside

### PROMASEAL® Bulkhead Batt in Slab Opening

Collar	Pipe Type	Pipe Diameter (mm)	Wall Thickness (mm)	FRL	Install Method
PROMASEAL® CFC	PEX	16-25	2.1	-/180/180	Within Exposed Side Batt
	uPVC Conduit with NBN cables	20	2.1	-/180/180	Within Exposed Side Batt
	uPVC Conduit with electrical cables	20	2.1	-/180/60	Within Exposed Side Batt

#### **Important Installation Notes:**

- Where collar is installed on face of any wall, the annular gap between the pipe and substrate to be filled with PROMASEAL® A Acrylic Sealant before installation of the collar
- Where the collar is installed within the wall the annular gap between collar and wall material to be backfilled with PROMASEAL® A Acrylic Sealant
- Where the collars (either single or double) are installed centrally or flush within the wall and part of the collar that extends outside the face of the wall to be covered by PROMASEAL® A Acrylic Sealant
- The double collars are joined by straightening the clips and fixing to the second collar with 5mm button screw
- In some cases the FRL of the penetration will be limited to the FRL of the substrate being penetrated.

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