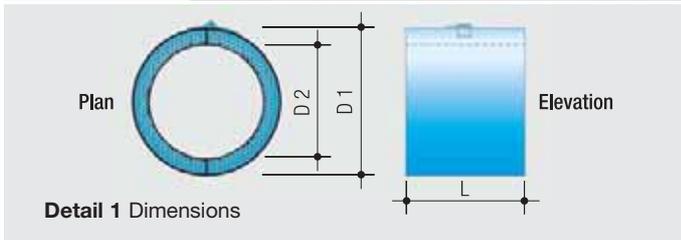
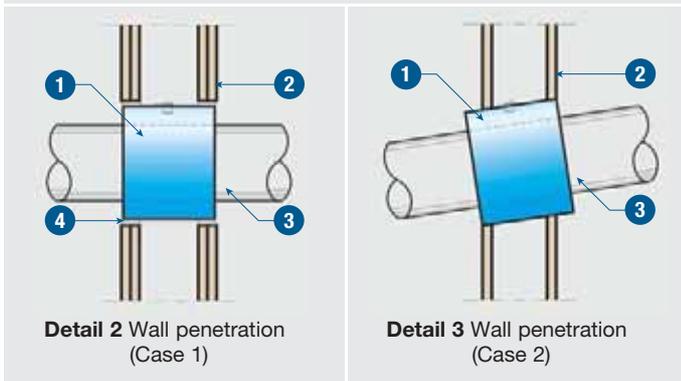


Installation Method



Detail 1 Dimensions



Detail 2 Wall penetration (Case 1)

Detail 3 Wall penetration (Case 2)

### Installation

The FCW PROMASEAL<sup>®</sup> Wall Collars are designed for insertion into plasterboard, concrete, calcium silicate, lightweight blocks or masonry walls. This is a split type collar enabling it to be retrofitted if necessary. Most applications require the use of a single collar only, saving time, cost and space.

Fill any gaps between the collar shell and wall with PROMASEAL<sup>®</sup> Acrylic Sealant to a depth of 32mm. This gap should be no more than 20mm wide. The FCW PROMASEAL<sup>®</sup> Wall Collar has been tested for up to 2 hours of FRL in accordance with the criteria of AS 1530: Part 4 and AS 4072.

FCW PROMASEAL<sup>®</sup> Wall Collars have been tested on uPVC and HDPE pipes up to 162mm diameter in walls and will achieve a 2-hour fire rating if tested to AS 1530: Part 4 and AS 4072: Part 1, when installed (in plasterboard, calcium silicate, concrete or masonry walls. It should be noted that the substrate into which any penetration seal is installed, must have a FRL at least equal to that of the sealing system. The following installation instructions apply for FCW PROMASEAL<sup>®</sup> Wall Collars.

Maximum wall thickness is 128mm. If the wall thickness is greater than this, two wall collars may be used ensuring the outside face of the collar is no more than 14mm in from that face of the wall. It is permissible for the collar body to extend beyond the face of the wall.

### TECHNICAL DATA

Up to 2 hours fire rating, integrity and insulation in accordance with the criteria of AS 1530: Part 4 and AS 4072: Part 1.

- 1 PROMASEAL<sup>®</sup> Wall Collar
- 2 Concrete, masonry or other fire rated wall elements
- 3 Plastic piping e.g. Polyethylene PE, Polyvinylchloride PVC
- 4 PROMASEAL<sup>®</sup> Acrylic Sealant

### Dimensions Guide

Code No.	Pipe size nom. (mm)	Body (mm)		
		L	D 1	D 2
FCW 40	40	120	80*	47
FCW 50	50	120	93*	60
FCW 65	65	120	107*	75
FCW 80	80	120	126*	89
FCW 100	100	120	153*	116
FCW 150	150	120	203*	164

\*Add 3mm to allow for clip

Minimum wall thickness for a single collar is 48mm for pipes up to 110mm, and 57mm for pipes up to 162mm.

Locate the wall collar centrally in the wall and ensure any gaps (less than 20mm) between the wall and collar shell are fully sealed with PROMASEAL<sup>®</sup> Acrylic Sealant. If the gap is in excess of 20mm, reduce the size of the gap using the material the wall is built from or with PROMASEAL<sup>®</sup> Mortar. Do not obstruct the perforated mesh at the ends of the collar when sealing any gaps.

### Detail 2

Fill any gaps between the collar and the wall with PROMASEAL<sup>®</sup> Acrylic Sealant to a depth of 32mm. This gap should not be more than 15mm wide.

### Detail 3

Collar can be positioned at an angle providing the exposure is the same as in the original test. For details please contact Promat.