

FIRE COLLARS

Cast In Fire Collar

TECH SHEET: PAS-01

Issue: 23-10-07

Cast in fire collar suitable for sealing most types of plastic pipes passing through concrete slabs

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DESCRIPTION

A cast in, high impact plastic fire collar housing an intumescent material which is activated in the event of fire, crushing the plastic pipe and sealing against the passage of flame and hot gases. The intumescent material is unaffected by water, atmospheric influences and industrial environments, and is also resistant to dilute acids, alkalis, paints and conventional construction materials such as gypsum, lime, cement and adhesives.

APPLICATIONS

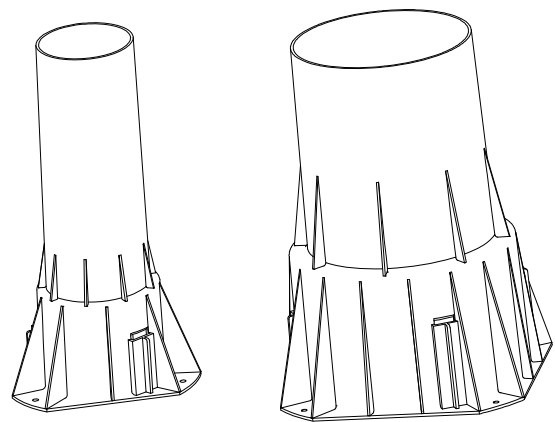
Suitable for use in fire rating plastic pipes passing through floors in high residential construction, flats, townhouses, apartments, civil projects, health care and aged care facilities, offices, etc.

FEATURES

- Fully certified to Australian Standards AS1530.4 and AS4072.1
- 250mm height of collars covers wide range of floor slab thicknesses
- Integral moisture, grout and smoke seal
- 2 collar sizes service pipe sizes from 32-100mm (nom)
- Base of collar has ability to accommodate pipe fittings
- Reinforced fixing holes
- Quick and easy to install
- A cost effective fire stopping solution
- 10 year warranty on intumescent material
- Australian made

INSTRUCTIONS

- Screw or nail fire collar to formwork
- Pour slab around collar (do not allow concrete to enter fire collar)
- Remove formwork
- Cut collar off at top of slab if desired
- Insert plastic pipe
- Back fill around pipe with concrete or mortar if desired (not required for fire rating)



CI32-50

CI65-100

HOW TO SPECIFY

Eg, "Fire Collars to be Pyropanel 'CI' Cast In fire collars , incorporating integrated smoke seal, and installed as per manufacturers instructions"

* denotes example - delete or change or specify as required

MODELS AVAILABLE

Model	To suit nominal pipe (mm)	Actual PVC pipe O.D (mm)	Collar opening	Collar height	Collar width	Fire resistance level (normal application)	Fire resistance level (floor waste application)
CI32-50	32-50	36-56	60	250	114	uPVC HDPE, PP, PE -/240/180	No insulation on floor wastes (-/120/-) (PVC)
CI65-100	65-100	69-110	114	250	210	uPVC only -/240/120	No insulation on floor wastes (-/120/-)* (PVC)
CI32-50S	32-50	36-56	60	250	114	uPVC, HDPE, PP, PE -/240/240	Full insulation on floor wastes (-/120/120) (PVC)
CI65-100S	65-100	69-110	114	250	210	uPVC, HDPE, PP, PE -/240/240	Full insulation on floor wastes (-/120/120) (PVC)
SMCI 32-50	32-50	36-56	60	250	114	(nil fire resistance, smoke only)	(nil fire resistance, smoke only)
SMCI 65-100	65-100	69-110	114	250	210	(nil fire resistance, smoke only)	(nil fire resistance, smoke only)

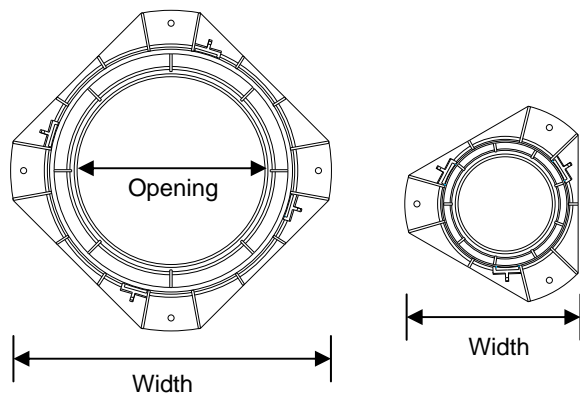
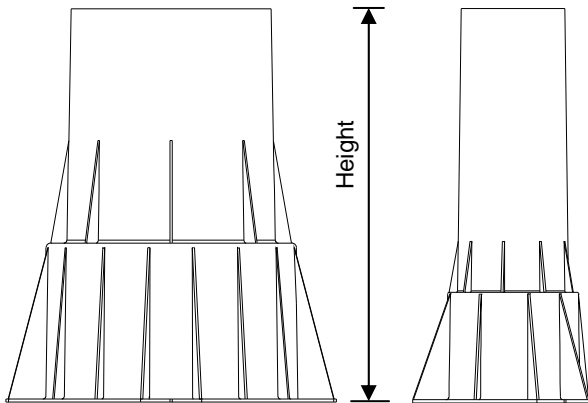
*Note: Achieves -/120/120 with tile covered floor waste



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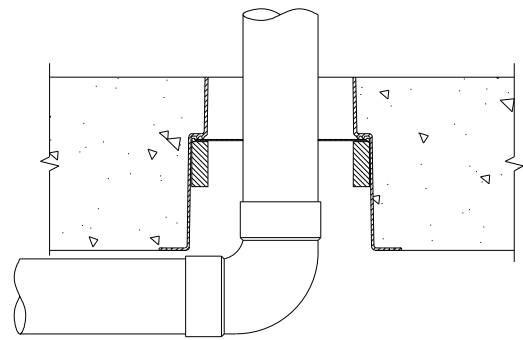
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BUILDING IN DETAILS

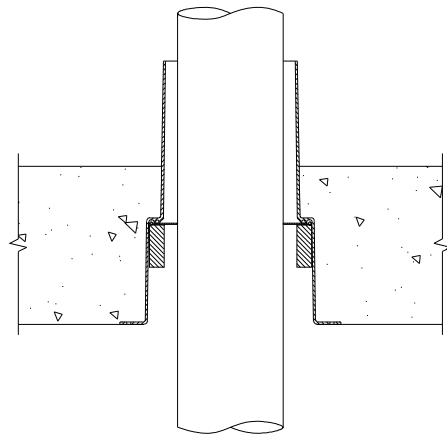


CI65-100

CI32-50

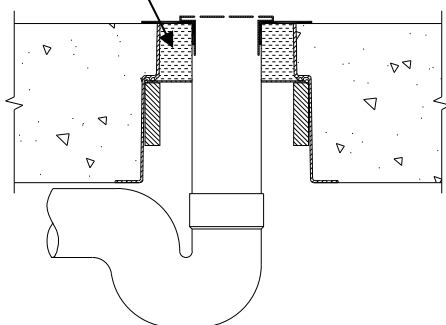


Example of 65mm pipe with elbow through CI65-100 collar with top of collar cut level with slab

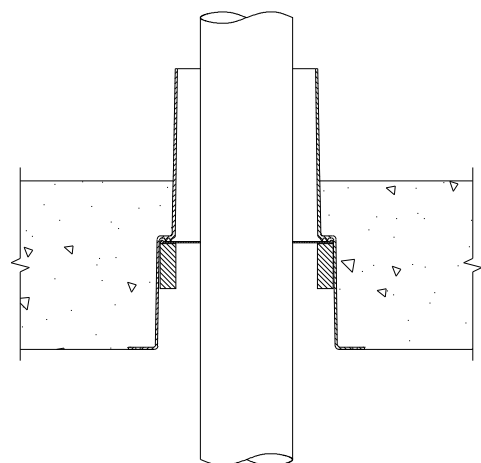


Example of 100mm pipe through CI65-100 collar

Mortar backfilling



Typical floor waste application (CI65-100S)



Example of 80mm pipe through CI65-100 collar