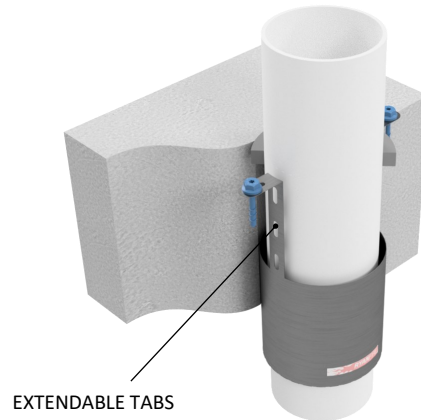
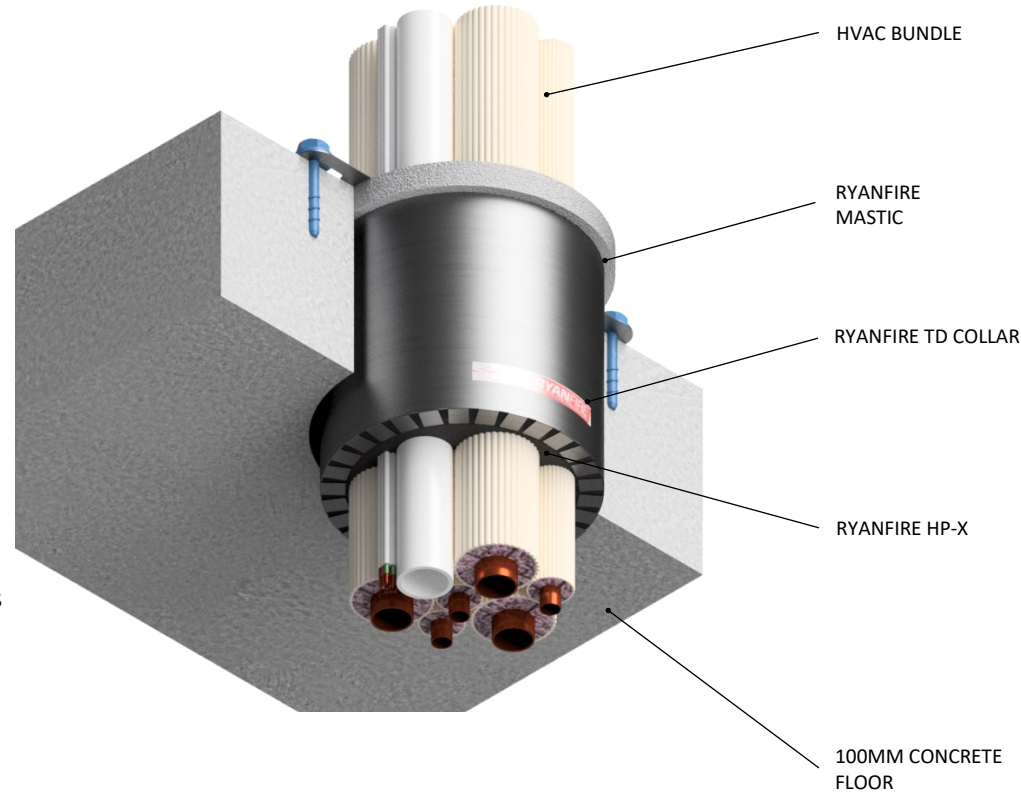


INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DEBRIS AND LOOSE CEMENT. REMOVE ALL DUST FROM SURFACES REQUIRING INSTALLATION.
2. SELECT THE TD100 COLLAR. SMALLER DIAMETER TD COLLARS MAY BE USED ON REDUCED SERVICE PENETRATIONS THROUGH THE APERTURE.
3. SECURE THE TD COLLAR AROUND THE HVAC SERVICES BUNDLE AND SLIDE IT INTO THE APERTURE. ENSURE FIXING TABS ARE FLUSH WITH THE TOP OF THE CONCRETE FLOOR.
4. SECURE THE TD COLLAR IN POSITION USING 32MM MASONRY SCREWS THROUGH ALL FIXING TABS.
5. APPLY RYANFIRE MASTIC TO SMOKE SEAL BETWEEN THE CONCRETE FLOOR AND THE TD COLLAR FROM ABOVE.
6. APPLY RYANFIRE HP-X INTO THE GAP BETWEEN THE COLLAR AND THE MIXED SERVICES.
7. REMOVE ANY EXCESS HP-X WITH A DAMP CLOTH



On the underside of the substrate, the TD Collar may be exposed no more than 80mm, or be recessed no more than 10mm.

TD COLLAR SIZE	CORE HOLE DIAMETER
TD 40	Ø72mm
TD 50	Ø82mm
TD 65	Ø102mm
TD 80	Ø112mm
TD 100	Ø142mm

Products:	RYANFIRE TD COLLAR RYANFIRE HP-X RYANFIRE MASTIC
Approvals:	AS 1530.4/AS 4072.1
BK:	67
Ref:	FRT 190287
ID:	I
Scenario:	Penetration seal to HVAC bundle (heat pump services)
Services:	Up to: 3 sets pair coil copper pipes 6 TPS cables Ø25mm uPVC pipe
Construction:	100mm thick concrete floor
Fire Integrity:	120 minutes
Fire Insulation:	60 minutes

Web based drawings are for example only. Fire performance of any system is dependant on, but not limited to size of opening, substrate, if penetrations are passing through, type, size and number. Please refer to Ryanfire technical department for detailed and specific fire performance information.



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Drawing Title
**TD Collar to HVAC bundle
100mm concrete floor**

Scale	NTS	Date	July 2024
Drawing Number	V17.11	Rev	9.0

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