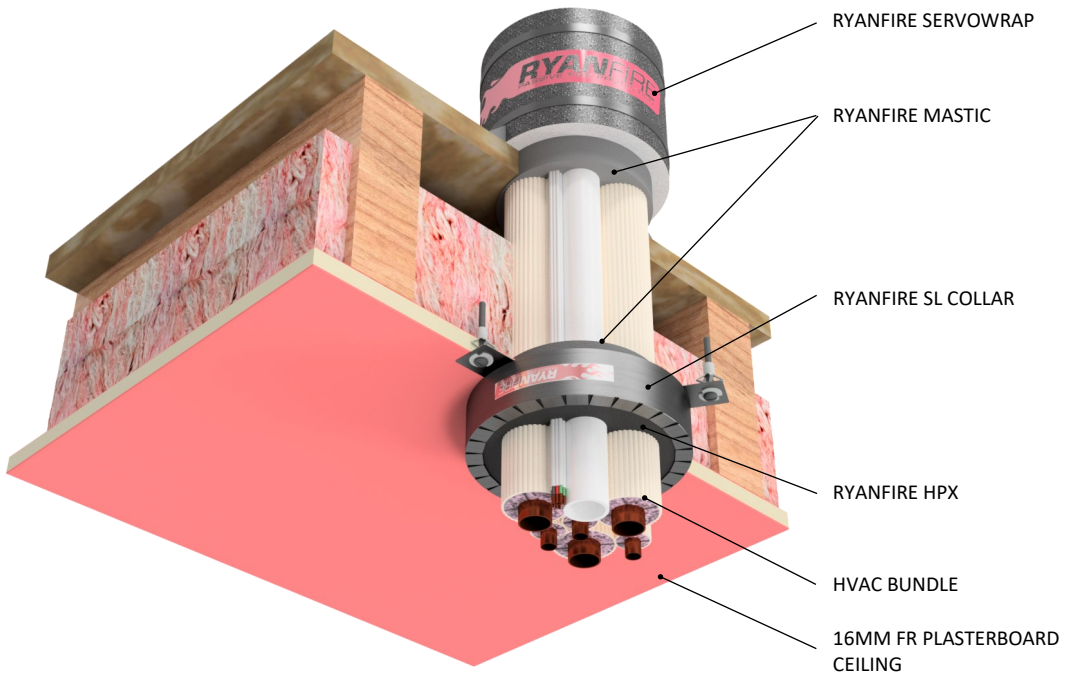
INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. APPLY RYANFIRE MASTIC BETWEEN THE HVAC BUNDLE AND THE PLASTERBOARD, TO THE FULL DEPTH OF THE PLASTERBOARD.
3. SELECT THE CORRECT SIZE RYANFIRE SL COLLAR TO FIT AROUND THE HVAC BUNDLE.
4. POSITION THE RYANFIRE SL COLLAR AROUND THE HVAC BUNDLE AND SLIDE IT UP TO THE SURFACE OF THE PLASTERBOARD.
5. FIX THE SL COLLAR TO THE PLASTERBOARD WITH 60MM HOLLOW WALL ANCHORS. ENSURE ALL FIXING POINTS ARE USED.
6. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE HVAC BUNDLE AND THE COLLAR TO THE FULL DEPTH OF COLLAR.
7. APPLY A BEAD OF RYANFIRE MASTIC TO SEAL THE GAP BETWEEN THE BUNDLE AND THE FLOOR BOARD.
8. WRAP 1 LAYER OF 300MM WIDE RYANFIRE SERVOWRAP AROUND THE BUNDLE, WITH A 100MM OVERLAP, ON THE TOP SIDE OF THE SEAL. SLIDE THE SERVOWRAP UP AGAINST THE SURFACE OF THE FLOORBOARD. SEAL THE OVERLAP AND EXPOSED EDGES OF THE SERVOWRAP WITH FOIL TAPE.
9. SECURE THE SERVOWRAP AROUND THE BUNDLE USING STEEL CABLE TIES, 50MM FROM EACH END AND ONE NOMINALLY IN THE CENTRE.
10. APPLY A NOMINAL 10MM BEAD OF MASTIC TO THE JOINT BETWEEN THE SERVOWRAP AND THE FLOOR-BOARD.
11. CLEAN ANY EXCESS SEALANT USING A DAMP CLOTH.



Products:	**RYANFIRE SL COLLAR** **RYANFIRE HP-X** **RYANFIRE MASTIC** **RYANFIRE SERVOWRAP**
Approvals:	**AS 1530.4/AS 4072.1**
BK:	**295**
Ref:	**24SFR00039**
ID:	**C**
Scenario:	Penetration seal to HVAC bundle (heat pump services)
Services:	Up to: 3 set pair coil copper pipes 5 TPS cables Ø20mm uPVC pipe
Construction:	16mm thick FR plasterboard Ceiling
Aperture:	Max. 98mm
Annular:	8 - 21mm
Fire Integrity:	60 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.

RYANFIRE PASSIVE FIRE PROTECTION

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Drawing Title

SL Collar & Servowrap to HVAC bundle 16mm FR plasterboard ceiling

Scale	Date
NTS	**September 2024**

Drawing Number	Rev
V17.24	**1.0**

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