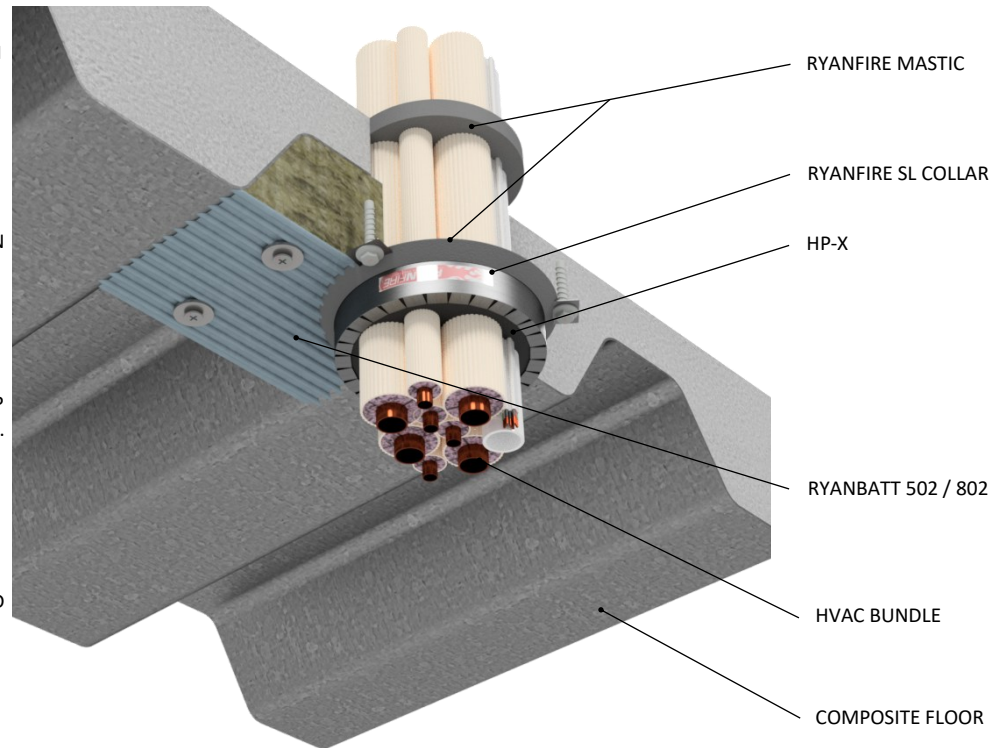
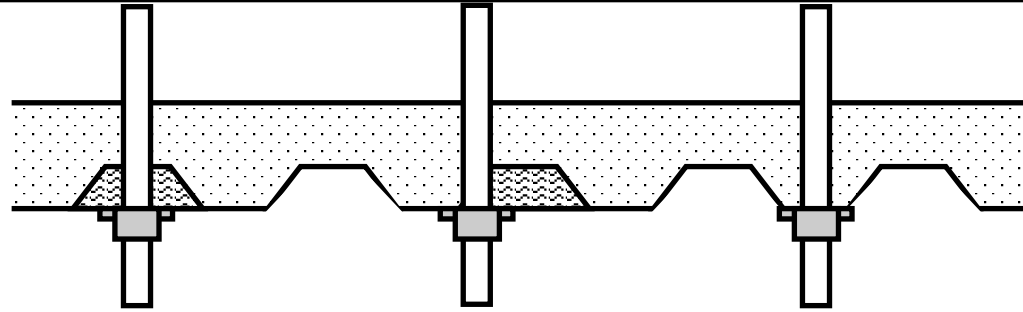


**INSTALLATION INSTRUCTIONS**

1. ENSURE THE APERTURE IS CLEAN, FREE OF DUST AND DEBRIS.
2. CUT THE RYANBATT TO THE CORRECT SIZE TO FILL THE TRAPEZOIDAL PROFILE. ENSURE THE RYANBATT EXTENDS 100MM EITHER SIDE OF THE CORED APERTURE.
3. APPLY RYANFIRE BRUSH GRADE MASTIC TO WHERE THE RYANBATT WILL MATE WITH THE SURFACE OF THE FLOOR, AND TO ALL CUT AND EXPOSED EDGES OF THE RYANBATT.
4. SECURE RYANBATT INTO POSITION USING 75/100MM CONCRETE ANCHORS AND PENNY WASHERS 50MM FROM EACH EDGE AND AT CENTRES NOT EXCEEDING 200MM.
5. SEAL ANY GAPS AND JOINTS WITH RYANFIRE BRUSH GRADE MASTIC.
6. APPLY RYANFIRE MASTIC TO THE JUNCTION BETWEEN THE HVAC BUNDLE AND THE FLOOR / RYANBATT ON BOTH SIDES OF THE FLOOR.
7. FIT THE CORRECT SIZE SL COLLAR AROUND THE HVAC BUNDLE.
8. SLIDE THE COLLAR ALONG THE BUNDLE UNTIL IT IS UP AGAINST THE UNDERSIDE OF THE FLOOR / RYANBATT.
9. FIX THE RYANFIRE SL COLLAR INTO POSITION USING A COMBINATION OF:
  - A. MINIMUM 32MM CONCRETE ANCHORS AND PENNY WASHERS FOR THE FLOOR PROFILE PEAKS.
  - B. MINIMUM 75/100MM CONCRETE ANCHORS AND PENNY WASHERS FOR THE FLOOR PROFILE TROUGHS.
10. FIXINGS MUST HAVE A MINIMUM 25MM EMBEDMENT INTO THE CONCRETE.
11. APPLY A NOMINAL 5MM BEAD OF RYANFIRE MASTIC TO THE JUNCTION BETWEEN THE COLLAR AND THE FLOOR / RYANBATT.
12. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE COLLAR AND THE SERVICES, TO THE FULL DEPTH OF THE COLLAR.



**Products:** RYANBATT 502 / 802  
 RYANFIRE SL COLLAR  
 RYANFIRE HP-X  
 RYANFIRE MASTIC  
 RYANFIRE BRUSH GRADE MASTIC

**Approvals:** AS 1530.4:2014/AS 4072.1:2005

**BK:** 209 / 348

**Ref:** 23SFR00031 / 25SFR00030

**ID:** B, C / I

**Scenario:** Penetration seal to HVAC bundle (heat pump services)

**Construction:** 125mm - 170mm composite floor

**Services:** Up to:  
 4 sets pair coil copper pipes  
 5 TPS cables  
 Ø20mm PVC pipe

**Fire Resistance:**

Floor thickness	125mm	170mm
Ryanbatt	502	802
Fixings	32mm, 75mm	32mm, 100mm
FRR		
1 bundle	-/90/90	-/90/90
3 bundles	-/90/60	-/120/45
4 bundles	-/90/60	-/90/60

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  
**SL Collar & Ryanbatt to HVAC bundle**  
**125 - 170mm composite floor**

Scale	Date
<b>NTS</b>	<b>June 2026</b>

Drawing Number	Rev
<b>V17.22</b>	<b>3.0</b>

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