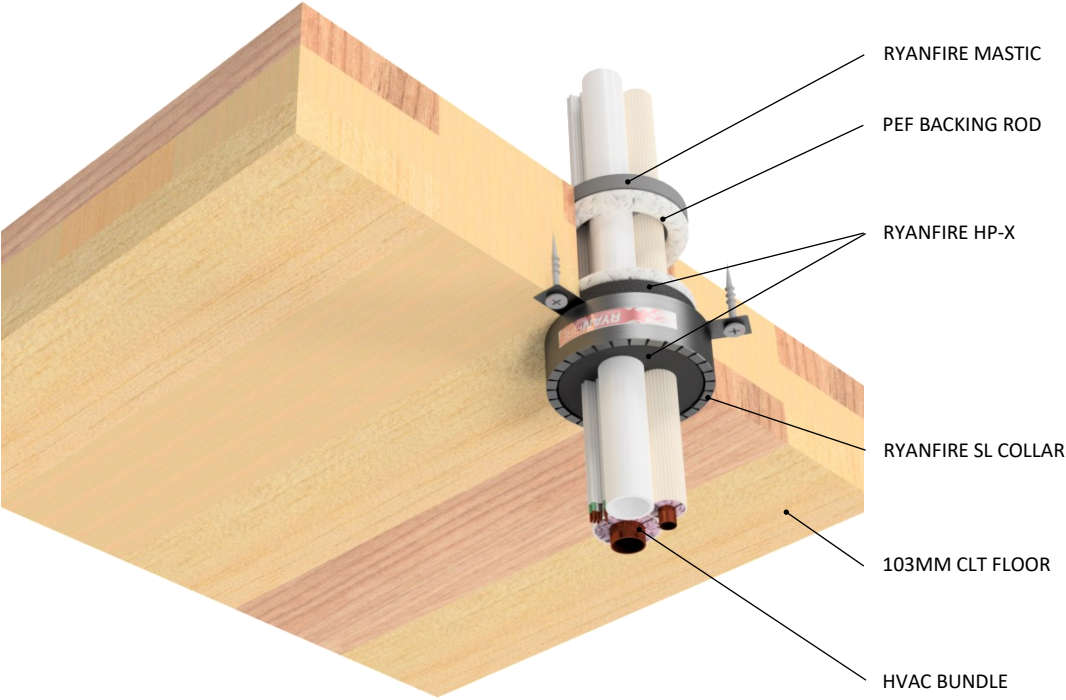


**INSTALLATION INSTRUCTIONS**

1. ENSURE THE APERTURE IS CLEAN AND FREE OF ANY DUST AND DEBRIS.
2. INSERT PEF BACKING ROD INTO THE ANNULAR GAP ON BOTH SIDES OF THE FLOOR.
3. APPLY RYANFIRE MASTIC TO THE DEPTH OF 10MM INTO THE ANNULAR GAP BETWEEN THE BUNDLE AND THE FLOOR ON THE TOP OF THE FLOOR.
4. APPLY RYANFIRE HP-X TO A DEPTH OF 20MM INTO THE ANNULAR GAP, AND IN BETWEEN THE BUNDLE, ON THE BOTTOM OF THE FLOOR. ENSURE THE GAP IS COMPLETELY FILLED.
5. SELECT THE CORRECT SIZE RYANFIRE SL COLLAR TO FIT AROUND THE BUNDLE.
6. FIT THE SL COLLAR AROUND THE BUNDLE AND SLIDE IT UP UNTIL IT IS FLUSH TO THE BOTTOM SURFACE OF THE FLOOR.
7. FIX THE COLLAR TO THE FLOOR WITH M6 X 80MM STEEL WASHER HEAD SCREWS. ENSURE ALL FIXING POINTS ARE USED.
8. APPLY RYANFIRE HP-X INTO THE GAP BETWEEN THE COLLAR AND THE HVAC BUNDLE TO THE FULL DEPTH OF THE SL COLLAR (30MM).
9. REMOVE ANY EXCESS SEALANT WITH A DAMP CLOTH.



<b>Products:</b>	<b>RYANFIRE SL COLLAR</b> <b>RYANFIRE HP-X</b> <b>RYANFIRE MASTIC</b>
<b>Approval:</b>	<b>AS 1530.4/4072.1</b>
<b>BK:</b>	<b>234</b>
<b>Ref:</b>	<b>23SFR00075</b>
<b>ID:</b>	<b>D</b>
<b>Scenario:</b>	Penetration seal to HVAC bundle (heat pump services)
<b>Services:</b>	Up to : 1 set pair coil copper pipes 5 TPS cables Ø20mm PVC pipe
<b>Annular:</b>	3-17mm
<b>Construction:</b>	103mm Cross Laminated Timber (CLT) floor
<b>Fire Integrity:</b>	30 minutes
<b>Fire Insulation:</b>	30 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 Technical Support:  
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title  
**Ryanfire SL Collar to HVAC bundle**  
**103mm CLT floor**

Scale	NTS	Date	July 2024
Drawing Number	V17.20	Rev	2.0

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