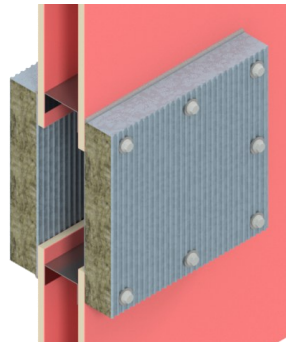
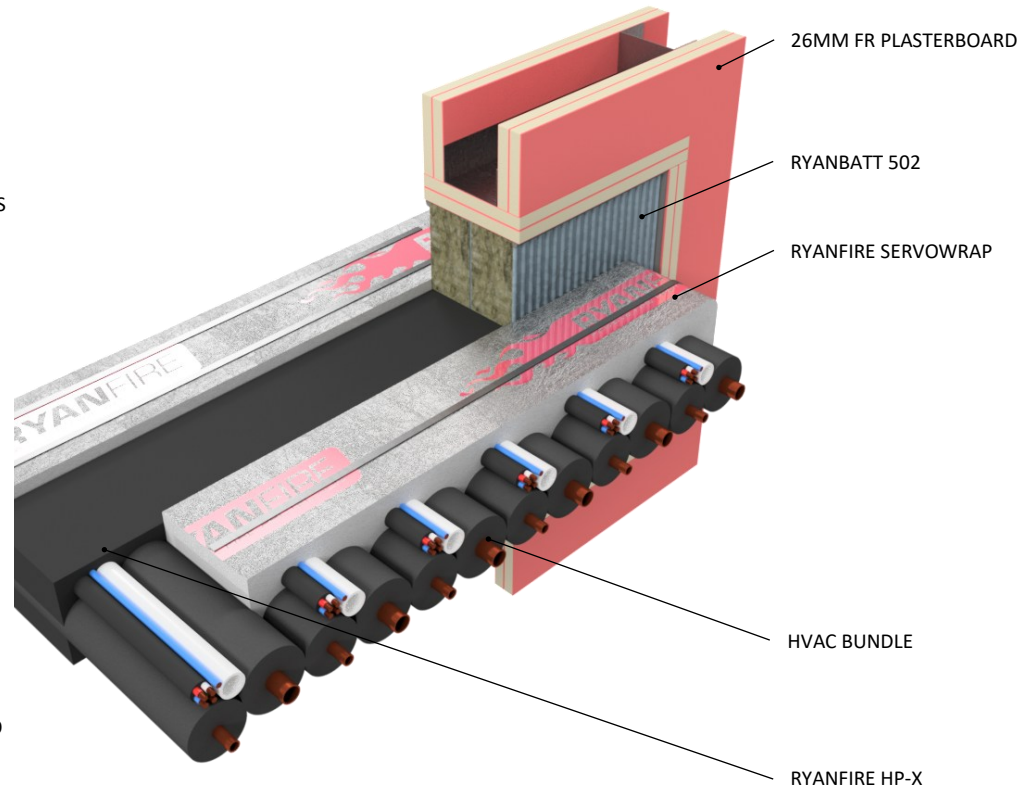


INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS.
2. CUT THE RYANBATT 502 TO THE REQUIRED SIZE TO FIT TIGHTLY INTO THE FULLY LINED APERTURE.
3. CUT THE RYANBATT 502 TO FIT AROUND THE HVAC BUNDLE. THE APERTURE MUST EQUAL THE BUNDLES SIZE PLUS THE ALLOWABLE 10 - 30MM ANNULAR GAP.
4. CUT THE RYANBATT ACROSS THE SHORTEST DIMENSION INCORPORATING THE MIDPOINT OF THE PENETRATION TO ENABLE THE BOARD TO BE FITTED INTO THE APERTURE.
5. APPLY RYANFIRE BRUSH GRADE MASTIC TO ALL THE INTERNAL EDGES OF THE APERTURE AND TO ALL THE EXPOSED & CUT EDGES OF THE RYANBATT.
6. INSERT THE RYANBATT INTO THE OPENING TO SIT EITHER FLUSH WITH THE SURFACE OF THE WALL, OR CENTRALLY WITHIN THE PLANE OF THE WALL. IF FITTED CENTRALLY, APPLY MASTIC TO THE FACE OF THE 502 WHERE IT WILL JOIN WITH THE OTHER.
7. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE HVAC BUNDLE AND THE RYANBATT TO THE FULL DEPTH OF THE BOARD (50MM).
8. WRAP 1 LAYER OF 300MM WIDE RYANFIRE SERVOWRAP AROUND THE CONDUIT WITH A 100MM OVERLAP ON THE LONG EDGE. PRESS THE SERVOWRAP UP AGAINST THE SURFACE OF THE RYANBATT.
9. SECURE THE SERVOWRAP AROUND THE BUNDLE USING STEEL CABLE TIES 50MM FROM EACH END AND ONE NOMINALLY IN THE CENTRE.
10. SEAL ANY EXPOSED EDGES OF THE SERVOWRAP WITH FOIL TAPE.
11. APPLY A NOMINAL 5MM BEAD OF RYANFIRE MASTIC TO THE PERIMETER OF THE RYANBATT AND TO ANY JOINTS AND GAPS.
12. REPEAT THIS PROCESS TO THE OPPOSITE SIDE OF THE WALL.



**THIS SYSTEM MAY BE INSTALLED USING A PATTESS FIT CONFIGURATION.
PLEASE CONTACT RYANFIRE TECHNICAL SUPPORT
FOR MORE INFORMATION.**

Products:
RYANBATT 502
RYANFIRE HP-X
RYANFIRE SERVOWRAP
RYANFIRE MASTIC
RYANFIRE BRUSH GRADE MASTIC

Approvals: AS 1530.4:2014/AS 4072.1:2005
BK: 323
Ref: 245FR00068
ID: 1
Scenario: Penetration seal to fire rated HVAC bundles (heat pump services)

Services: Up to 6 sets :
Nitrile rubber insulated pair coil copper pipes
6mm² power cable
Data cable
Ø20mm PVC pipe

Construction: 116mm thick FR plasterboard / Masonry wall / KOROK® wall

Annular: 10-30mm

Fire Integrity: 120 minutes

Fire Insulation: 120 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
Ryanbatt 502, HP-X & Servowrap to fire rated HVAC bundles - 116mm plasterboard wall

Scale NTS	Date May 2026
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Drawing Number V14.28	Rev 1.0
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