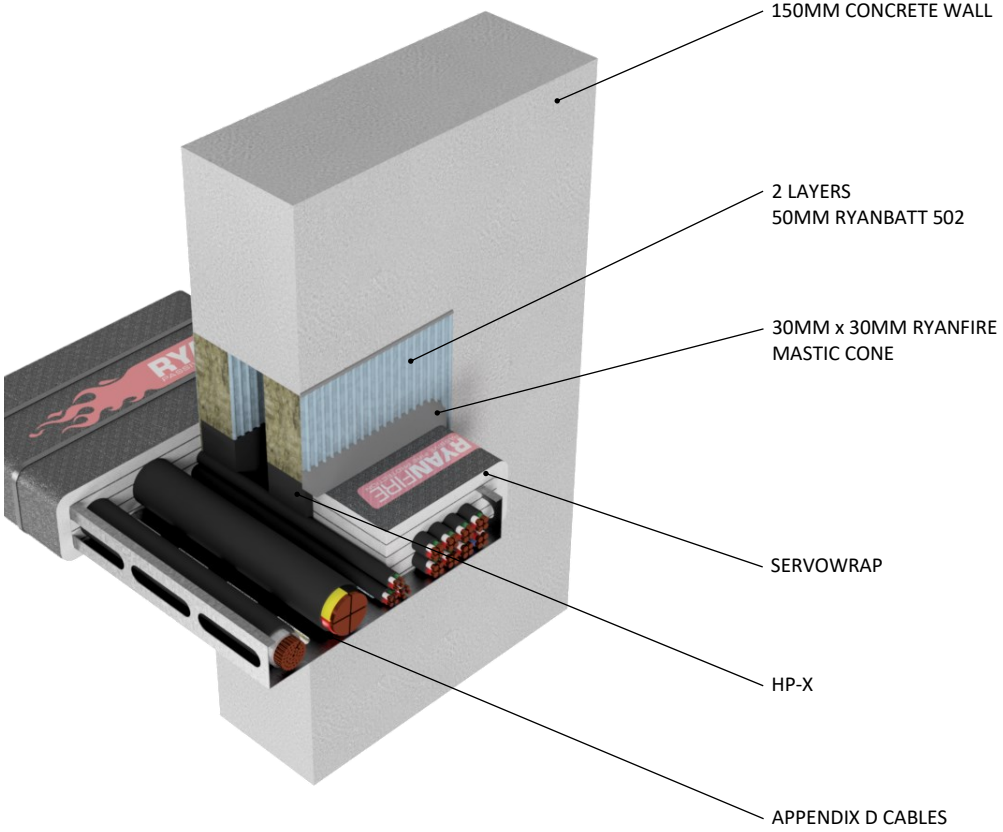
INSTALLATION INSTRUCTIONS

1. ENSURE THE APERTURE IS CLEAN AND FREE OF DUST AND DEBRIS
2. CUT THE RYANBATT 502 TO FIT TIGHTLY WITHIN THE APERTURE.
3. CUT THE RYANBATT 502 TO FIT AROUND THE PROFILE OF THE CABLES AND THE CABLE TRAY LEAVING A 20-25MM ANNULAR GAP . CUT THE RYANBATT AGAIN THROUGH THE SHORTEST DIMENSION (MIDPOINT OF THE CABLE TRAY) TO ENABLE THE BOARD TO BE FITTED INTO THE APERTURE.
4. APPLY RYANFIRE BRUSH GRADE MASTIC TO ALL EXPOSED & CUT EDGES OF THE RYANBATT AND THE INTERNAL EDGES OF THE APERTURE.
5. INSERT THE RYANBATT INTO THE OPENING.
6. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE RYANBATT 502 AND THE CABLES/ CABLE TRAY, TO THE FULL DEPTH OF THE RYANBATT (50MM).
7. WRAP 1 LAYER OF 300MM WIDE SERVOWRAP AROUND THE CABLE TRAY WITH A MINIMUM 100MM OVERLAP. PRESS THE SERVOWRAP UP AGAINST THE SURFACEOF THE RYANBATT 502.
8. PACK OUT ANY GAPS ALONG THE TOP OF THE CABLE TRAY WITH ADDITIONAL LAYERS OF SERVOWRAP.
9. SECURE THE SERVOWRAP AROUND THE CABLE TRAY USING STEEL CABLE TIES 50MM FROM EACH END, AND 1 NOMINALLY IN THE CENTRE.
10. APPLY A 30X30MM CONE OF RYANFIRE MASTIC TO THE JOINT BETWEEN THE SERVOWRAP AND THE RYANBATT.
11. SEAL ANY EXPOSED EDGES OF THE SERVOWRAP WITH FOIL TAPE.
12. APPLY A NOMINAL 5MM BEAD OF RYANFIRE MASTIC TO THE PERIMETER OF THE RYANBATT AND TO ANY JOINTS AND GAPS.
13. REPEAT THIS PROCESS ON THE OPPOSITE SIDE OF THE WALL.



Products:	**RYANBATT 502** **RYANFIRE HP-X** **RYANFIRE SERVOWRAP** **RYANFIRE BRUSH GRADE MASTIC**
Approval:	**AS 1530.4/AS 4072.1**
BK:	**200**
Ref:	**23SFR00009**
ID:	**A**
Scenario:	Penetration seal to AS1530.4 Appendix D cable bundles on a cable tray
Services:	D1 cable configuration D2 cable configuration
Construction:	150mm concrete wall
Fire Integrity :	180 minutes
Fire Insulation:	180 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

Ryanbatt 502, HP-X & Servowrap to cable tray 150mm concrete wall

Scale	Date
NTS	**July 2024**

Drawing Number	Rev
V27.14	**2.0**

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