The 2 referenced Reports below are from a Registered Testing Authority which meet A2.2, A2.3 and Specification A2.3 of the BCA (NCC) - DTS Compliance for Tested Systems:

**Exova Report RIR 27186 ID H20**
2 Layers of TBA Firefly Intubatt fixed directly to the underside of timber floor joists. 1st Layer screwed into the floor joists with 75mm x 8g needle point screws and penny washers. Ensure that all joints and abutments are painted with Intumastic. 2nd Layer laminated to the 1st with Intumastic and 90mm Pigtails screws.

**Exova Report RIR 34088500:** All services contained within Table 6, Table 8, Table 8a and Table 8b may pass through Seal ID H20

**Spacing between Multiple Service Penetrations:** Minimum 40mm apart
Overview of some of the Tested services which achieve an FRL-/120/120 through the TBA Firefly Intubatt Ceiling System: The Specific Service ID No’s referenced below are from Exova RIR 34088500:

**ID H1** - D1 Power Cables with Tray: Protected with TBA Firefly Penowrap 300mm Top & Bottom or 600mm Topside Only

**ID H40** - Pair Coil, Flexidrain & Cables: Protected with TBA Firefly Intumastic HP

**ID H42** - Up to 9 x 13mm Armaflex Lagged Copper Pipes + Flexidrain + Up to 20 TPS Cables, with or without Steel Tray: Protected with TBA Firefly Penowrap

**ID H41** - 25mm PVC Conduit with up to 8 TPS Cables: Protected with TBA Firefly Intumastic HP

**ID H49** - PEX-AL Gas Pipe: Protected with TBA Firefly Intumastic HP

**ID H8** - Up to 300mm OD Steel Sprinkler Pipe: Protected with TBA Firefly Penowrap 1m high Topside Only

**ID H30** - Bundle of up to 12 Fire Alarm Cables: Protected with Intumastic HP