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 H39 (A)** 2 Layers of TBA Firefly Intubatt to the topside of the Ceiling. 1st Layer notched out and hooked over the furring channel and glued with Intumastic to the plasterboard. 2nd Layer laminated to the 1st with Intumastic and 90mm Pigtails screws. **OR**

**Exova Report RIR 27186 ID H38 (A)** 2 Layers of TBA Firefly Intubatt to the underside of the Ceiling. 1st Layer glued with Intumastic and self drilling screws and penny washers through the plasterboard into the furring channel. 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 H38 (A) or ID H39 (A)

Spacing between Multiple Service Penetrations: Minimum 40mm apart
Overview of some of the Tested services which achieve an FRL-/120/120 through the double Intubatt Seals: 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 H51 - NBN Triple Conduits with cables:** Protected with TBA Firefly Intumastic HP

**Table 8a - ABB IP55 Busducts:**
Protected with TBA Firefly Penowrap Top & Bottom (see Table for length required)

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

**ID H26 - 150mm uPVC Pipe:**
Protected with TBA Firefly RF150 Fire Collars

**ID H48 - Up to 300mm OD Steel Sprinkler Pipe:**
Protected with TBA Firefly Penowrap 1m high Topside Only