

## **Installation Instructions:**

Ensure within aperture is clean and free of debris, loose cement, and remove all dust from surfaces requiring installation.

#### Detail A- Single FB750 Intubatt up to 120 integrity, 60 Insulation

- Cut FB750 Intubatt to tightly fit into aperture.
- Coat FB750 Intubatt edges and fit into opening at required position.

#### Detail B - Single FB750 Intubatt Patress, rated as Detail A

- Cut FB50 Intubatt to required size and shape, ensuring the FB750 Intubatt will overlap the concrete floor a minimum of 75mm around the opening.
- Apply FS702 Intumastic to concrete where the FB750 Intubatt is to be fitted, to bond FB750 Intubatt to concrete.
- Firmly press FB750 Intubatt to concrete to ensure bond.
- Fix the FB750 Intubatt to the concrete using minimum 75mm long steel screws and 25mm diameter steel washers. Fixings should not exceed 50mm from any edge and not exceeding 200mm centres.

#### Detail C- Double FB750 Intubatt rated up to 120 integrity and insulation.

- Apply "detail A" instructions from both layers.
- Bond the two layers together with FS702 Intumastic prior to installing second layer.

#### Detail D - Double FB750 Intubatt Single layer patress rated up to 120 integrity and insulation.

- Apply "Detail A" instructions for first layer and fit flush with the required face of floor.
- Apply "detail B" instructions for second layer.
- Bond the two layers together with FS702 Intumastic prior to installing second layer.

# Detail E - Double FB750 Intubatt rated up to 120 integrity, 60

- Cut 20mm x 45mm softwood timber battens and fix to sides of concrete aperature using suitable steel fixings at 300mm centres, not exceeding 50mm from each end/cut.
- Cut the FB750 Intubatt to the correct size, a tight fir is not required, tested with a loose fitting FB750 Intubatt.
- Fix the FB750 Intubatt to the timber battends using minimum 75mm long steel screws and 25mm diameter steel washers, fixings should not exceed 50mm from any edge and not exceeding 300mm centres.

# Detail F - Double FB750 Intubatt patress up to 120 integrity and

- Apply "Deatil B" instructions for both layers.
- Ensure fixings are a minimum of 130mm long for second
- Bond the two layers together with FS702 Intumastic prior to installing second layer.

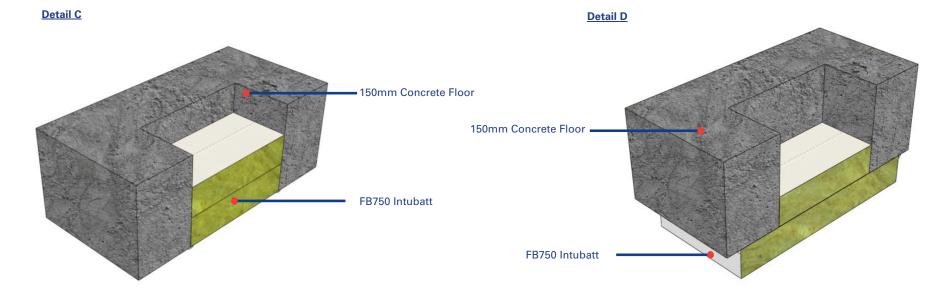
### General

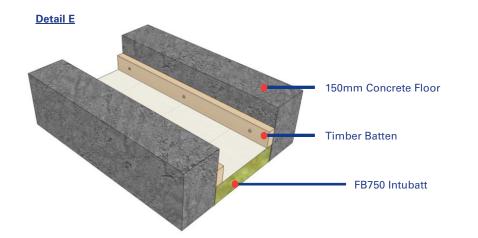
- Coat all joints, exposed edges of FB750 Intubatt and damages to coating with FS702 Intumastic brush grade.
- Apply FS702 Intumastic bead to all FB750 Intubatt interfaces/ joints.

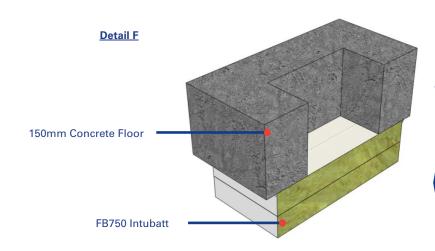
Construction

**Products Group** 









The published fire ratings have been achieved by following the instructions set out above. Use of alternative components or deviations from the instructions in anyway will remove Nullifire from any design liability. Nullifire will not accept responsibility for the consequences of the using our products in applications or oses not authorised by Nullifire. Expert advise should be sought where such applications are contemplated. ormation contained within this drawing is believed to be correct on the date of publication, and is based upon tested and certified solutions. The policy of Nullifire is one of constant improvement. Installers must therefore ensure that they are following the latest published drawings and instructions. Whilst we will your to keep our publications up to date, the accuracy of the information contained within this drawing may be affected by pertinent changes in the law or regulatory requirements and alternations/amendments to the specification of Nullifire products.

### **Test Information:**

#### Test: BSEN 1366 / BS 476

#### **Products:**

FB750 Intubatt & FS702 Intumastic

#### Scenario:

Penetration through concrete / blockwork wall construction

#### Penetrations:

Various penetrations tested, see drawings TBC for specific installation guidelines.

#### Void Size:

1190mm x unlimited length above FB750 Intubatt length 1200 framework required.

#### Fire Resistance:

Tested up to 120 minutes. Please see specific detail for fire rating. Fire ratings contained herein are based upon plain seals only,

#### **Acoustic:**

Test: BRE 224463 FB750 Intubatt 1,Two Layers Void 1.0m2 59dB

Test: BMTrada Z/12017 FB750 Intubatt 2 One Layer Void 0.6m2 36dB

FB750 Intubatt 2Two Layer Void 0.3m2 57dB Void 0.6m2

Nullifire details will only perform to the substrates performance capabilities. This applies to fire and acoustic. It is the responsibility of the purchaser to ensure suitability. If in doubt call technical.

## **Drawing Title:**

Openings within concrete floor construction FB750 Intubatt

**Drawing Reference No:** 

PS-003

**A3**