

# Installation Guide

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## For FireshieldEN 120, FireshieldEN 60 & FlameshieldEN 60

Technical Insulation

Passive Fire Protection

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## Installation Guide

### General Guide

When using mechanical fixings for the installation of FireshieldEN and FlameshieldEN barriers, these must be of non-combustible material, e.g. metal anchor fixings. Do not use plastic plugs or screens.

### Supporting Constructions

The supporting construction must be classified in accordance with BS EN 13501-2: 2016 (Fire classification of construction products and building elements - Classification using data from fire resistance tests, excluding ventilation services) for the required fire resistance period.

### Top Fixing to Concrete:

1. All surfaces must be clean and dry, free from dirt, grease and contaminants.
2. Install two beads of StoneShield High Temperature Adhesive 30 mm apart to the underside of the soffit where installation will be placed.
3. Fix Fireshield EN 120/60 or FlameshieldEN 60 directly to the adhesive prior to the application of 25 mm x 25 mm x 1.5 mm thick gauge angle or 50mm x 50mm x 1.5mm thick angle supported at 300 mm centres using appropriate non-combustible anchor fixings.
4. Ensure the barrier extends a minimum of 100 mm beyond the far edge of the installed

angle.

5. For best performance, fold back overlap fabric and fix to installed angle using StoneShield High Temperature Adhesive.

### **Side and Bottom Fixing:**

1. Surfaces must be clean and dry, free from dirt, grease and contaminants.
2. Mechanically fix directly to wall or substrate, trapping the barrier between substrate and a 25 mm x 25 mm x 1.5 mm flame shield 60 or 50mm x 50mm x 1.5mm Fireshield 120 and 60 thick gauge galvanised steel angle and strap, supported at 300 mm centres.
3. Ensure a minimum overlap of 100 mm at all side and bottom fixings.
4. For best performance, fold back overlap fabric and fix to installed angle using StoneShield High Temperature Adhesive.

### **Vertical Fixing Joint**

First stage: Pinch both edges/fold pleat of barrier together with a minimum of 50 mm overlap. Staple to a depth of 8/12 mm at 300 mm centres, starting from the edge.

Second stage: Fold the 50 mm overlap in half to overlap at 25 mm and staple at a depth of 8/12mm 150 mm centres from the first layer of staples.

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