

# Installation Guide

## Vulcan R0.2 Thermal Break

### Thermal Break Pads

#### Step 1

Install a suitable non-combustible sarking to the metal framework.



#### Step 2

Start to install the FIREFLY Thermal Break Pads, ensure they sit centrally in front of each stud on the proposed horizontal line of where the top hats are to be installed then secure them with a single, minimum 15mm long button (pan) head self-drilling screw positioned centrally in the pad.

## Step 3

Continue to install the pads to ensure that every point of contact is isolated using the Thermal Break. For corners and abutments, simply fold the pad in half at the junctions so that when the top hats are installed, they are also isolated at their edges.



## Step 4

Install the horizontal top hats over the pads and secure them to the frame. Top hats should be installed at the relevant spacing and secured using the relevant fixings specified by the cladding manufacturer.

## Step 5

The top hats are now ready to receive the cladding.

Note: The FIREFLY Thermal Break Strips may be converted in to pads (minimum 150mm long) using a sharp blade or heavy duty shears and sealed at the cut edges with FIREFLY Reinforced Aluminium Foil Tape (AFRT).



## Thermal Break Strips

### Step 1

Install a suitable non-combustible sarking to the metal framework.



### Step 2

For directly fixed cladding the FIREFLY Thermal Break Strips need to be installed over the face of the top/bottom track and the studs. For vertical top hat installations the FIREFLY Thermal Break Strips only need to be installed over the face of the studs. Ensure they sit squarely in front of the top/bottom tracks and centrally over the studs and secure with minimum 15mm long button (pan) head self-drilling screws at a maximum 50mm from each end, then at nominal 600mm centers.

### Step 3

Continue to install the strips to ensure that every point of contact is isolated using the Thermal Break. For corners and abutments, simply fold the strip in half at the junctions so that when the top hats are installed, they are also isolated at the edges too. For directly fixed cladding, a horizontal strip must also be installed over the top/bottom track.





## Step 4

Install the vertical top hats or directly fixed cladding over the strips and secure them to the frame. Top hats and/or cladding should be installed at the relevant spacing and secured using the relevant fixings specified by the cladding manufacturer.

## Step 5

The top hats are now ready to apply the cladding.

