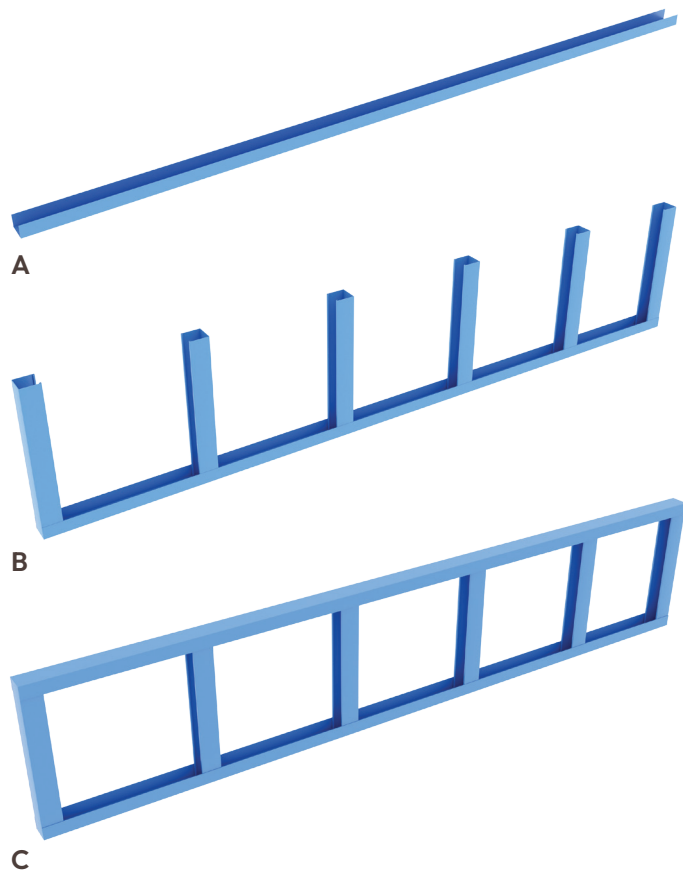


# Installation Guide

## Titan Spandrel System

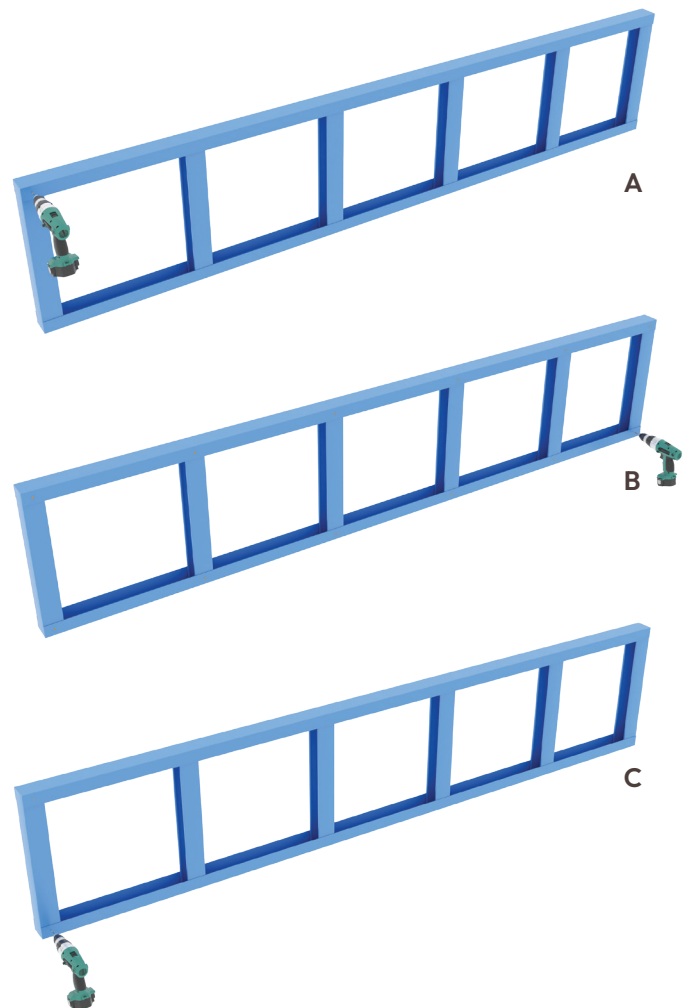
### Step 1

Construct a steel frame module at a minimum 0.75 BMT, using a minimum 50mm wide top track, bottom track and minimum 600mm long studs.



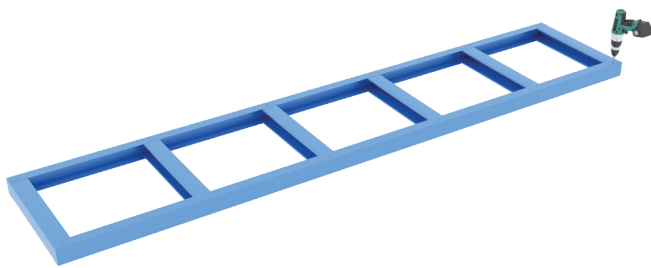
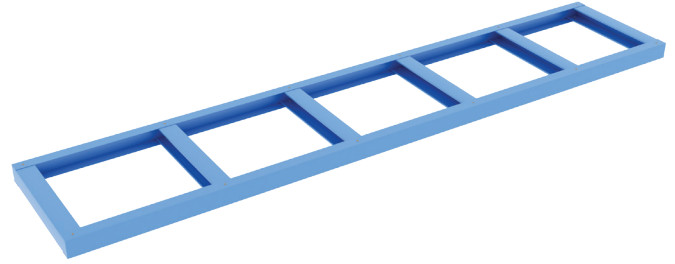
### Step 2

Space the studs at minimum 600mm centers ensuring that the two end studs have the mouth of the C Section facing the centre of the frame. Secure the studs to the tracks using minimum 32mm 4.2g pan/button head self-drilling screws.



### Step 3

Flip the frame over.

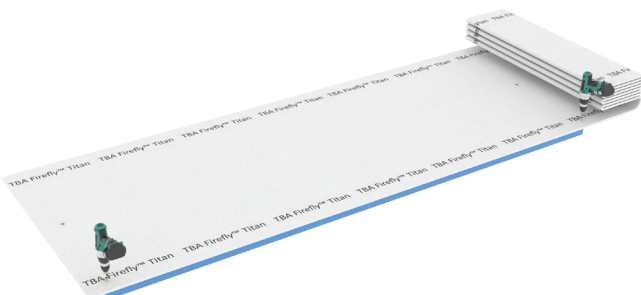
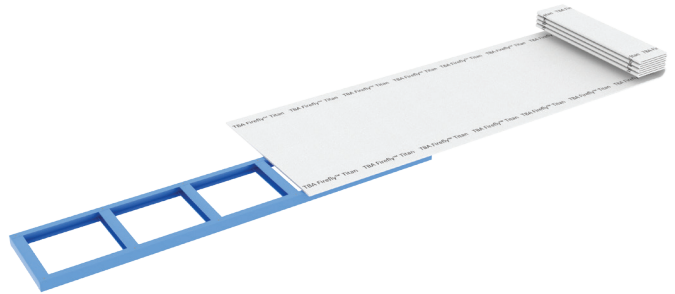


### Step 4

Secure the track to the studs on the opposite side.

### Step 5

Slide the FIREFLY Titan fabric over the face, ensuring that you allow for a nominal overlap which is slightly larger than the depth of the frame.

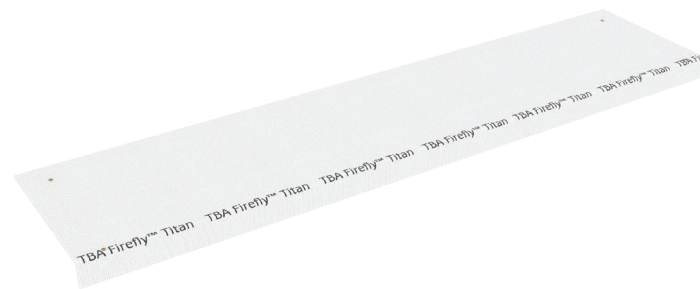
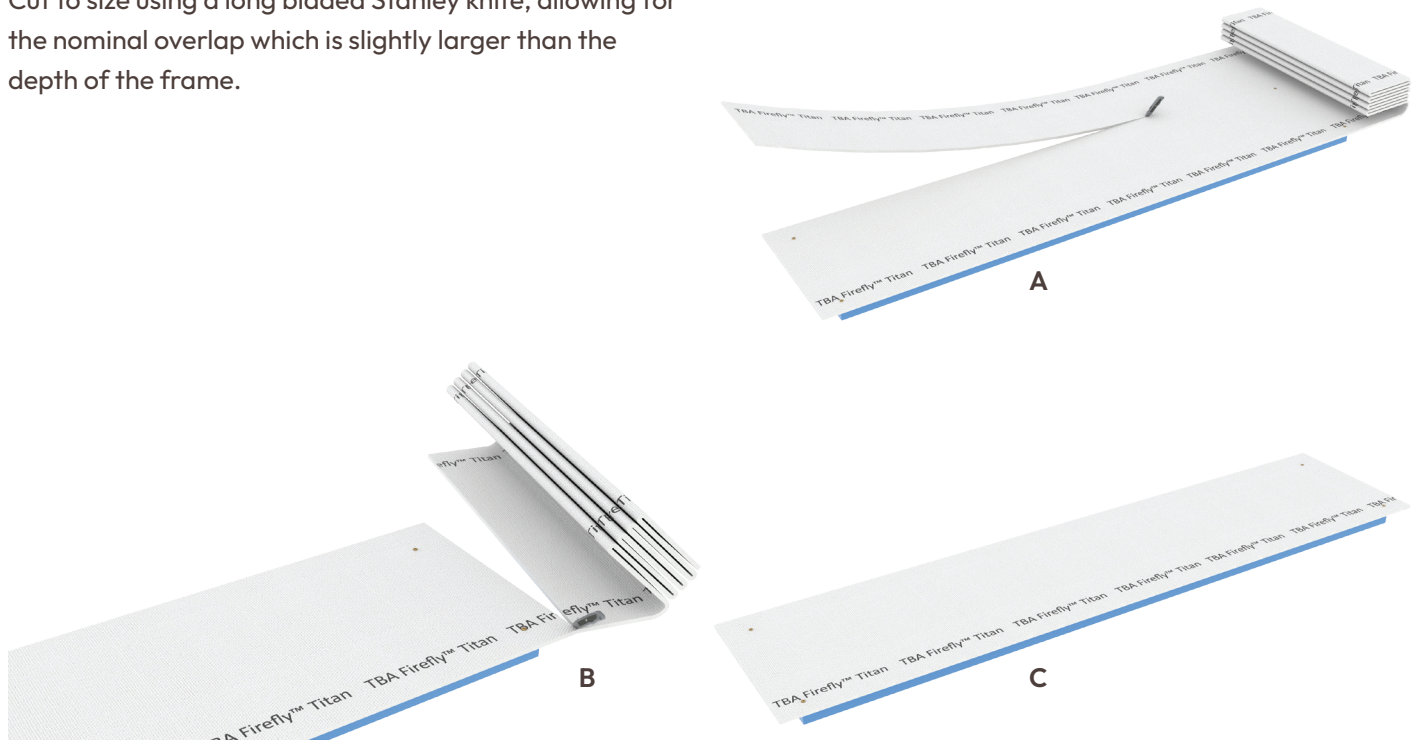


### Step 6

Secure corners using minimum 32mm 4.2g pan/button head self-drilling screws, pull the fabric taut, then secure with screws into opposite corners.

## Step 7

Cut to size using a long bladed Stanley knife, allowing for the nominal overlap which is slightly larger than the depth of the frame.



## Step 8

Start to fold the FIREFLY Titan fabric over the edges.

## Step 9

Pull taut and secure using minimum 32mm 4.2g pan/button head self-drilling screws at nominal 300mm centers.



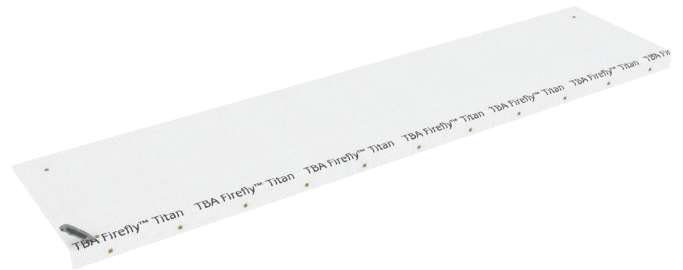
## Step 10

Trim off the excess material using a long bladed Stanley knife.



## Step 11

Cut a slice from the corner of the frame.



## Step 12

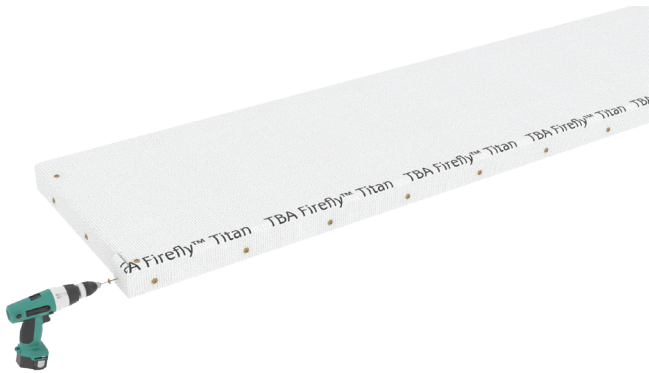
Pull taut and secure using minimum 32mm 4.2g pan/ button head self-drilling screws.



## Step 13

Trim off the excess material.



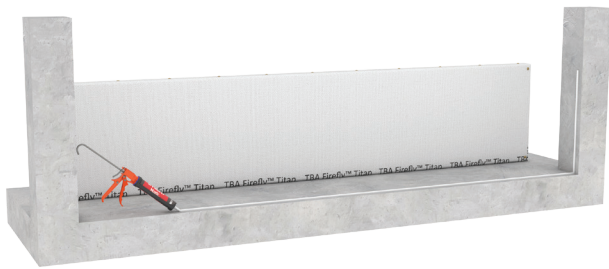
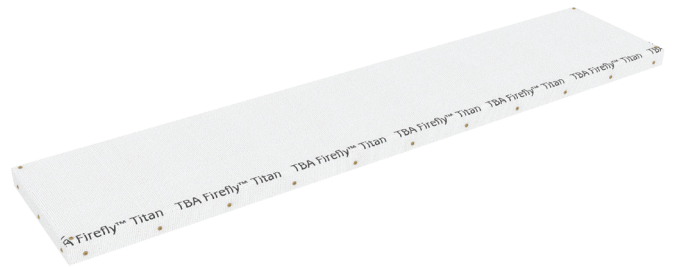


### Step 14

Fold the overlap and secure using a minimum 32mm 4.2g pan/button head self-drilling screws.

### Step 15

Fold all sides and trim excess.



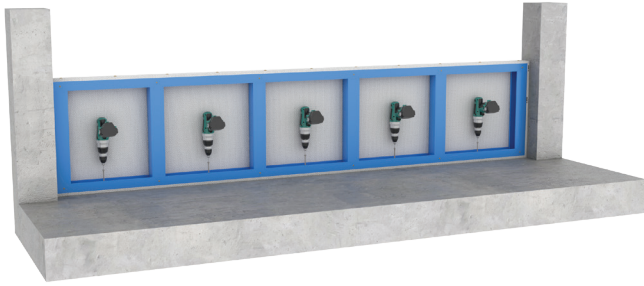
### Step 16

Run 2 nominal 6mm beads of FIREFLYMastic directly onto the concrete substrate.

### Step 17

Slide the module into position so that the external face sits flush with the face of the concrete slab.



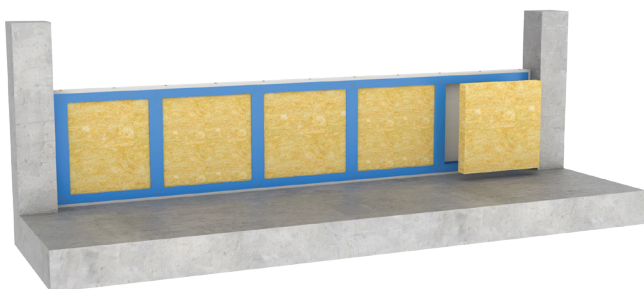


### Step 18

Secure the bottom track into the concrete using minimum 40mm M6 masonry screws/anchors at nominal 600mm centers and 50mm from both ends.

### Step 19

Secure the end studs into the concrete columns using minimum 40mm M6 masonry screws/anchors at nominal 50mm from both ends.

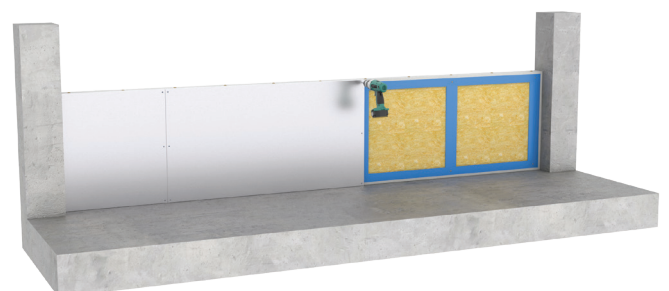


### Step 20

Install the non-combustible glass/mineral insulation batts into the recesses of the frame.

### Step 21

Install the minimum 10mm thick plasterboard - either standard grade or fire grade.

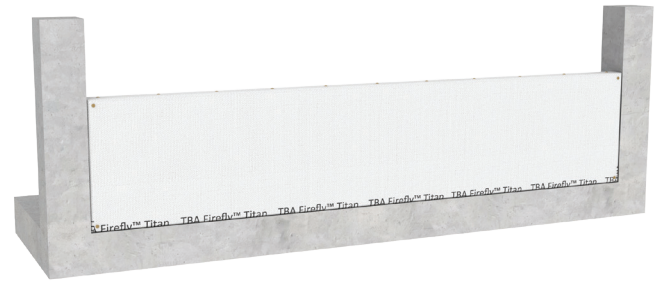


## Step 22

Join, paint and tape for a neat finish.



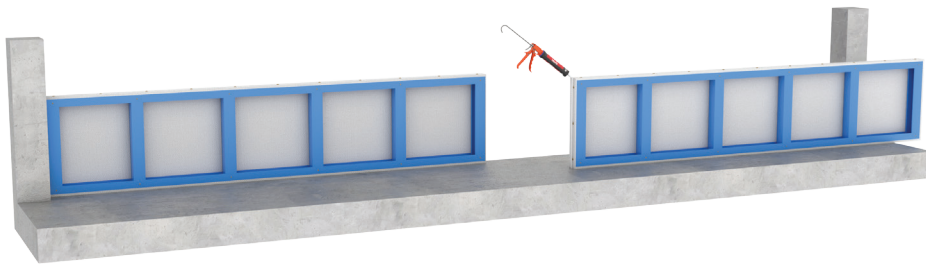
Completed FIREFLY Titan fire resistant Spandrel System.



## Additional FIREFLY Titan Spandrel Modules

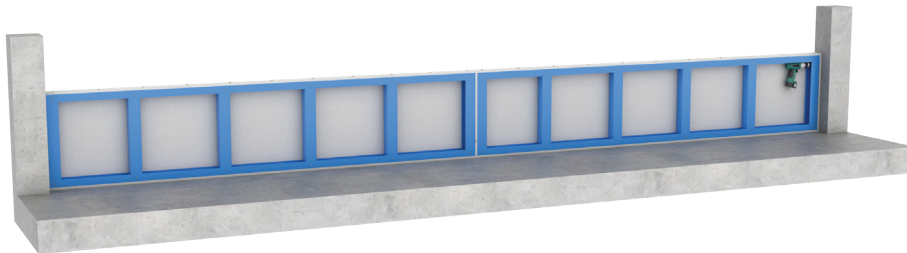
### Step A

Run two nominal 6mm beads of FIREFLY Mastic between the two modules.



### Step B

Secure the bottom track and end stud into the concrete slab and column using minimum 40mm M6 masonry screws/anchors at nominal 600mm centers and 50mm from both ends.



### Step C

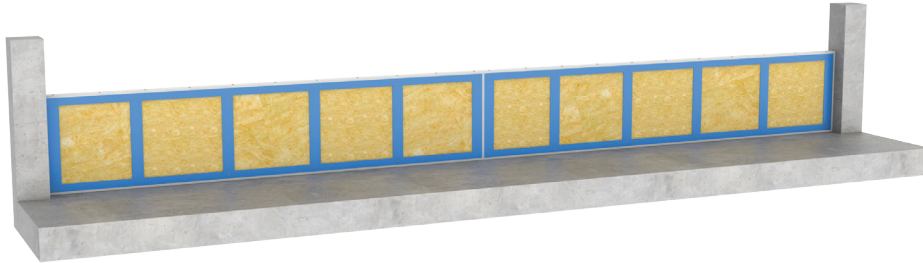
Pre-drill the abutment junction, then secure using 3 x 50mm long M6 long bolts and M6 nuts at nominal 50mm from each edge and one in the centre.





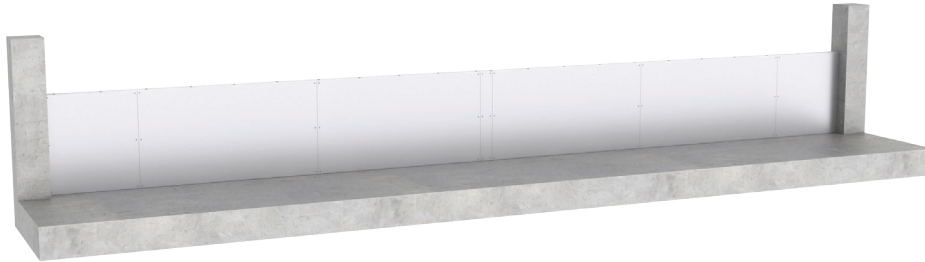
## Step D

Install the non-combustible glass/mineral insulation batts into the recesses of the frame.



## Step E

Install the minimum 10mm thick plasterboard - standard grade or fire grade. Then join, tape and paint for a neat finish.



Completed fire resistant FIREFLY Titan Spandrel System. If required, the outside face can be overlaid with FIREFLY Non-Combustible Sarking

