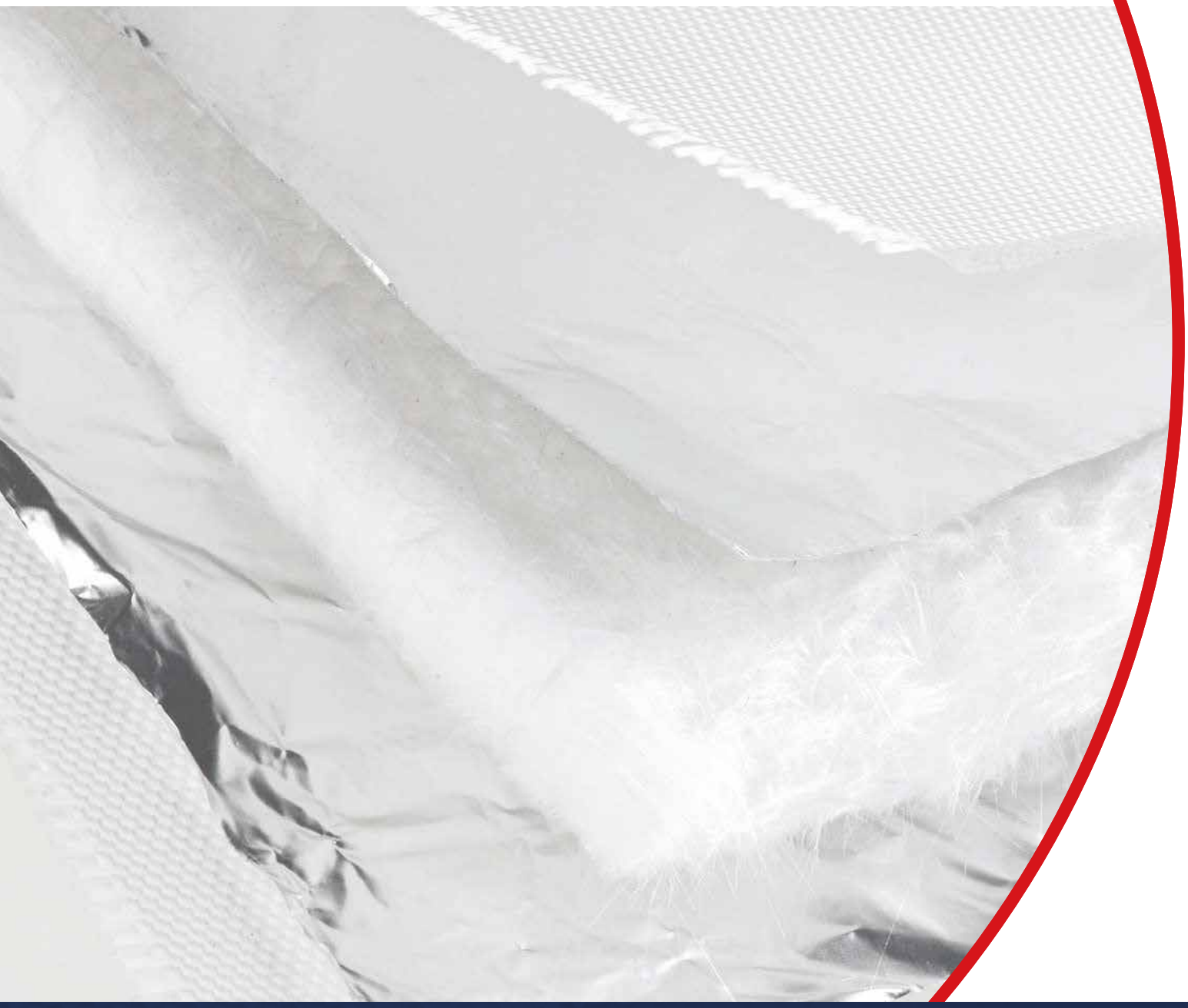
FIREFLY™

INSTALLATION GUIDE
FIREFLY™ APOLLO LITE™ 30:30
VERTICAL FIRE BARRIER



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MATERIAL REQUIREMENTS

FIREFLY™ APOLLO LITE™ 30:30
GALVANISED ANGLE (50 X 50 X 0.7MM MIN.)
GALVANISED ANGLE (25 X 25 X 0.7MM MIN.)
SUITABLE FIRE RESISTANT FIXINGS
FIREFLY™ 12MM STAPLES
FIREFLY™ HIGH TEMPERATURE ADHESIVE

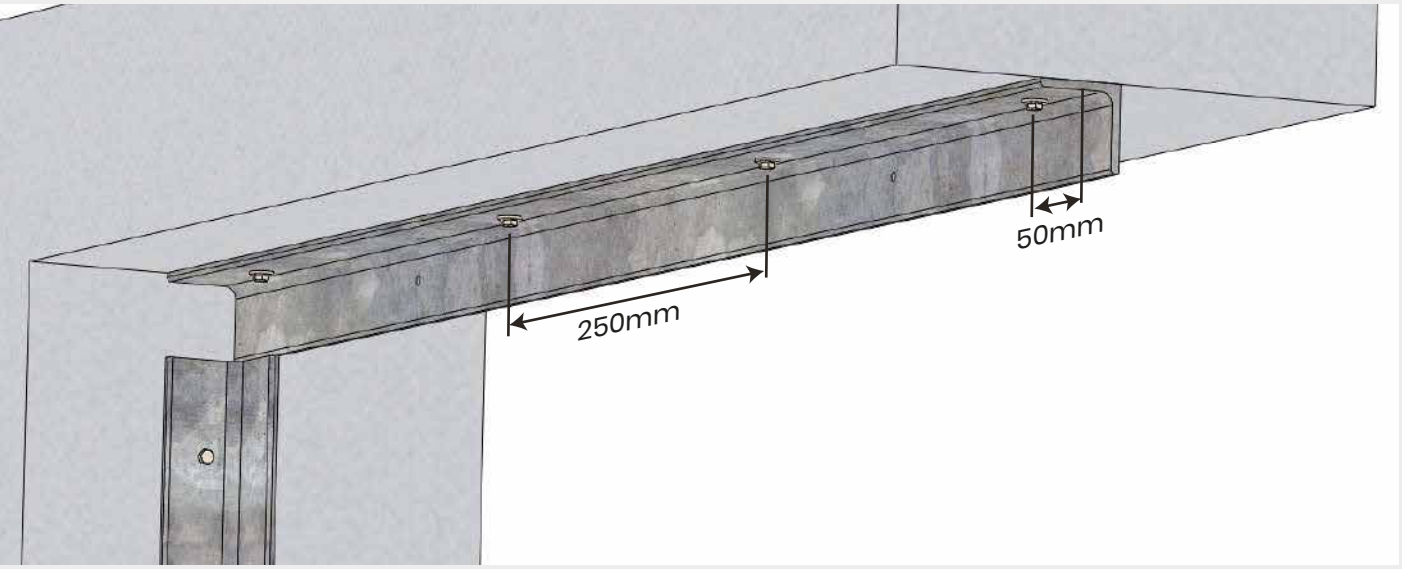
TOOLS

DRILL / DRIVER
FIREFLY™ STAPLER
BITS AND SOCKETS
SELF LEVELLING LASER
SILICONE GUN

STEP 1

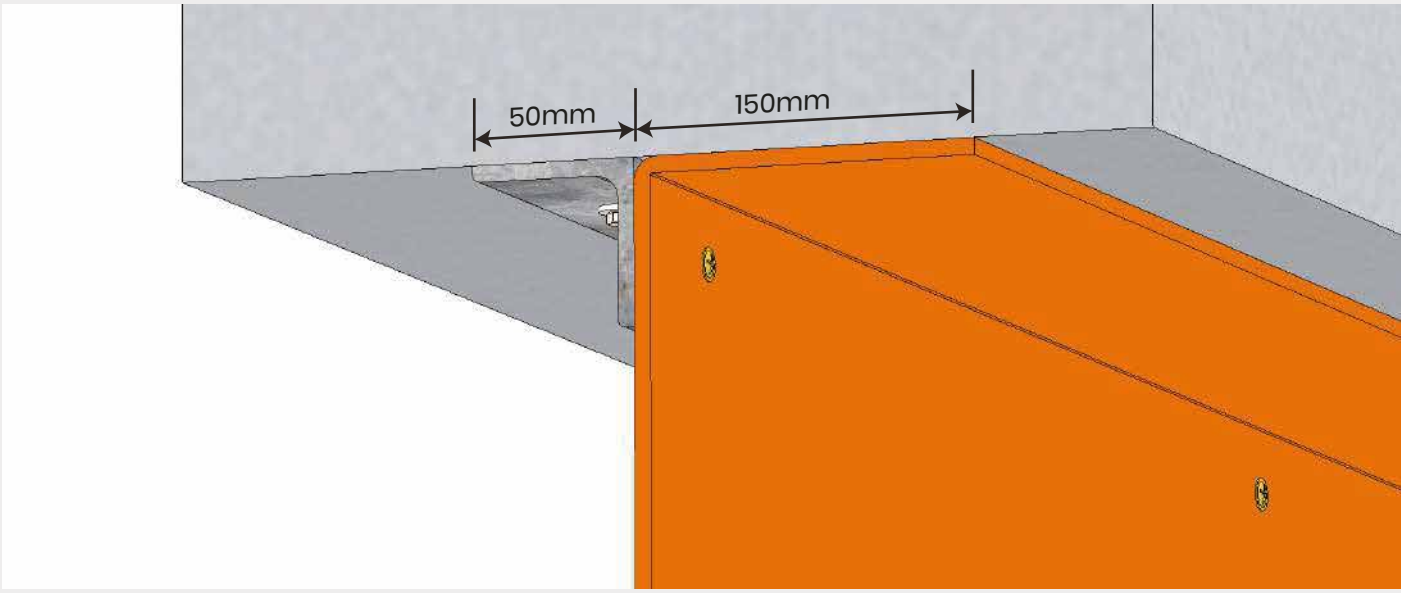
Set out and clearly mark position of fire barrier on the walls, floor and soffit.

Fix 50x50x0.7mm galvanised angle to soffit, walls and floor at 250mm centres with appropriate fire resistant fixings, starting 50mm from the end. Ensure the vertical downstand of the galvanised angle follows the desired line of the vertical barrier and the horizontal portion of the angle projects away from the barrier.



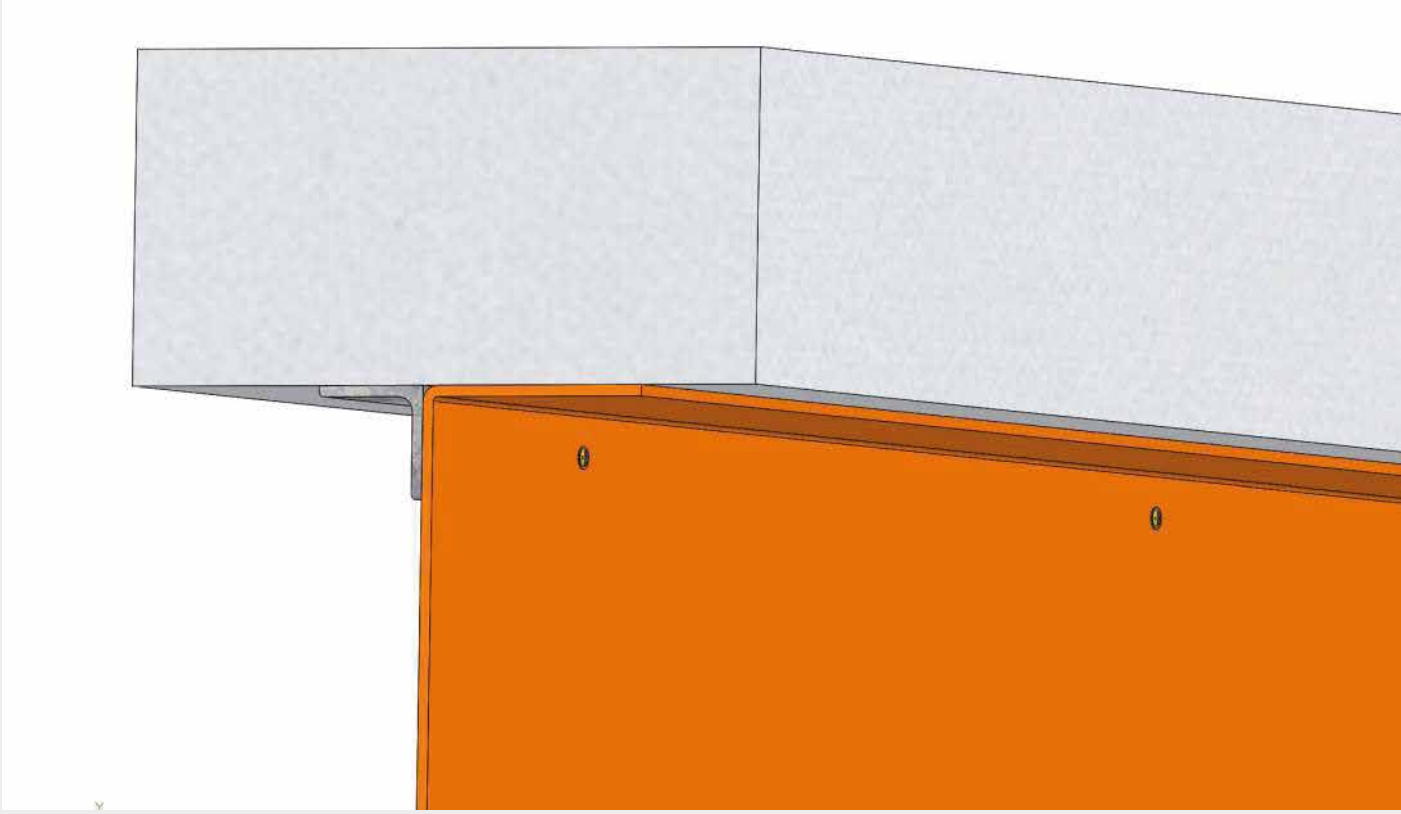
STEP 2

Position the first sheet of **APOLLO** Lite™ at one end of the barrier against the vertical downstand of the galvanised angle ensuring a minimum lap of 150mm onto the horizontal soffit, vertical walls and horizontal floor.



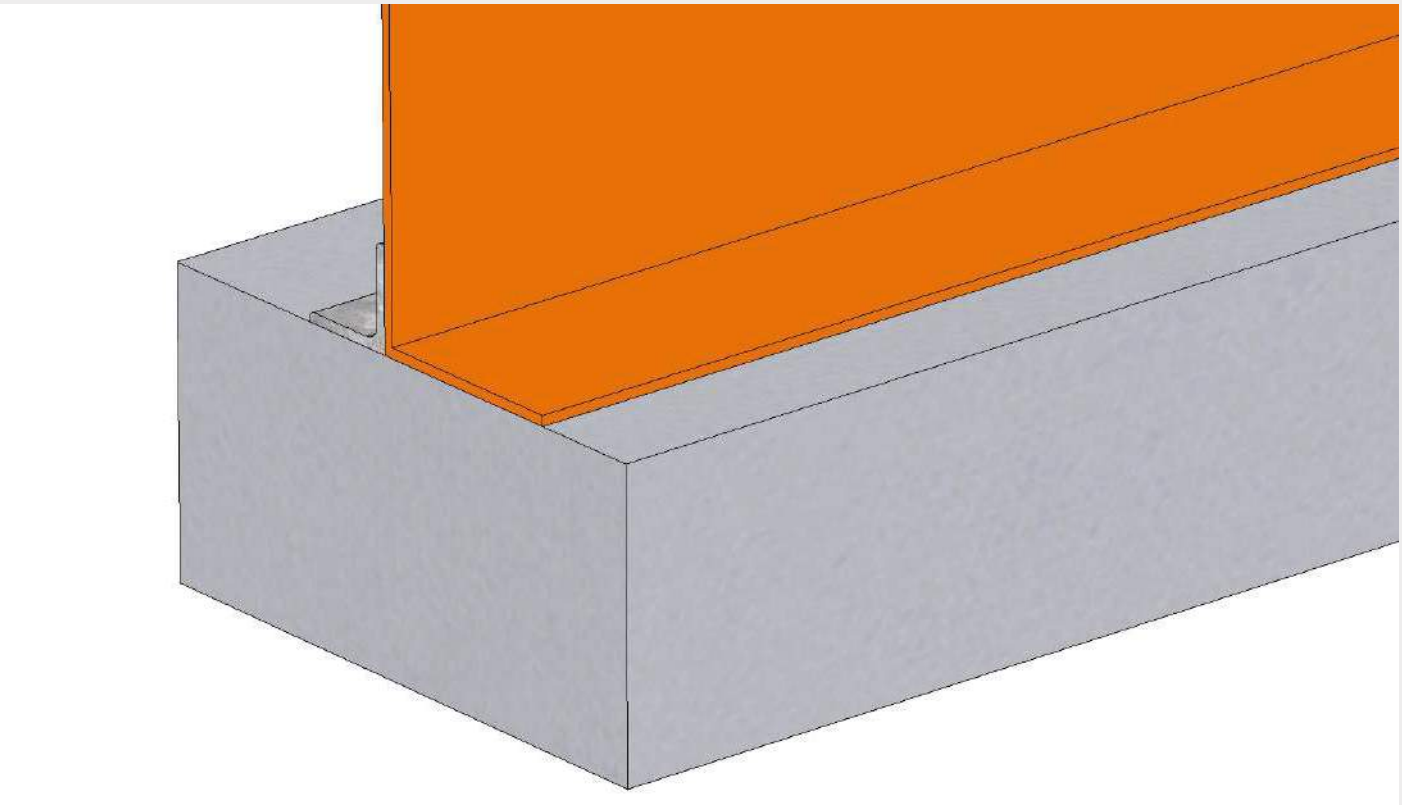
STEP 3

Tack the **APOLLO** Lite™ to the galvanised angle using suitable fire resistant fixings at 600mm centres



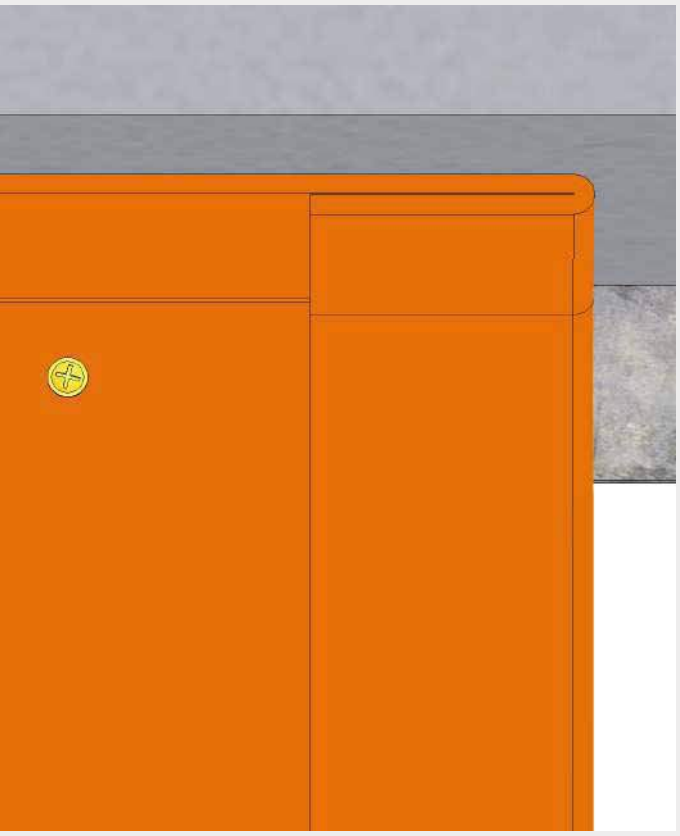
STEP 4

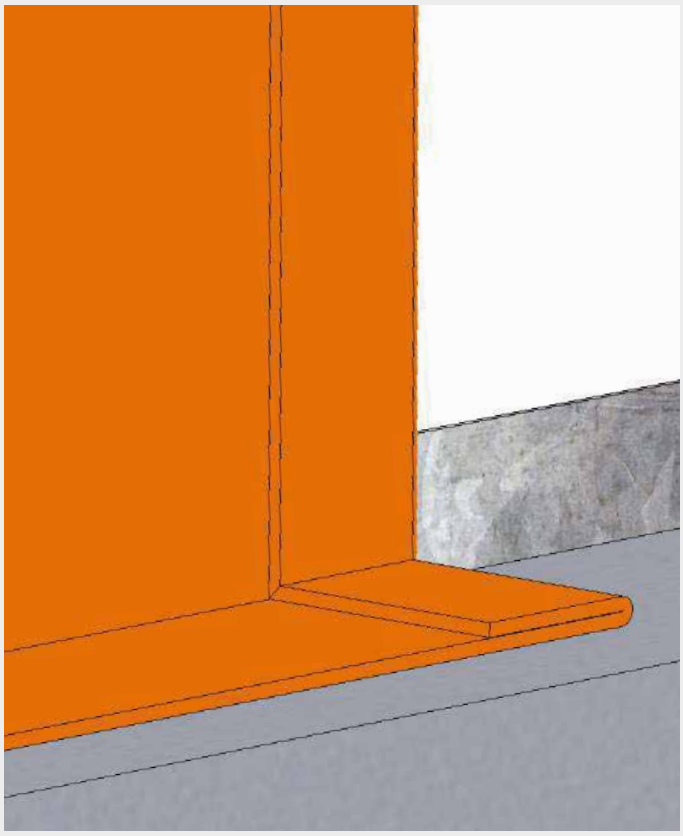
Lap the **APOLLO** Lite™ vertical barrier onto the floor of the protected zone by a minimum of 150 mm and tack to the galvanised angle.



STEP 5

Fold the vertical leading edge of **APOLLO** Lite™ back over by a minimum of 75mm to create an overlap



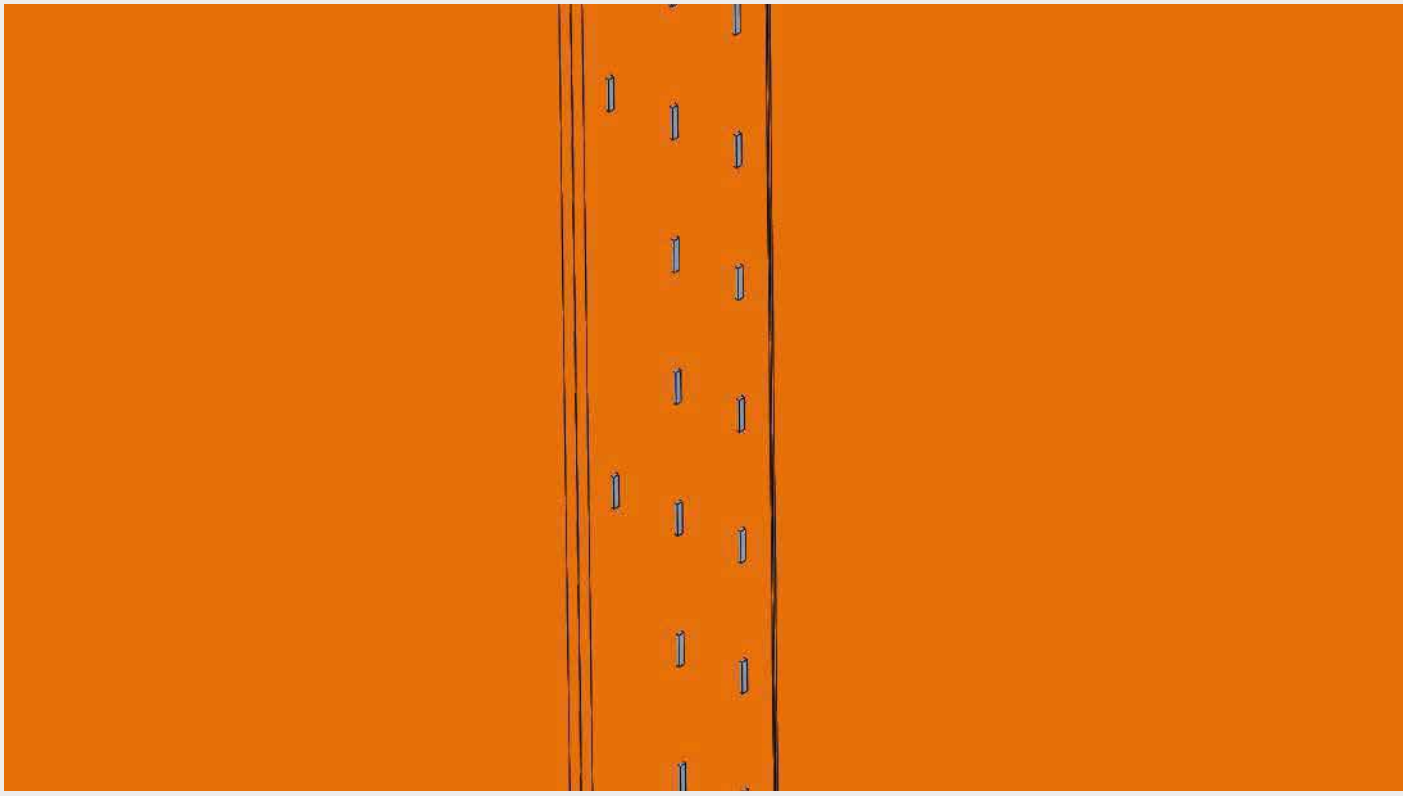


STEP 6

Position the adjacent sheet of **APOLLO** Lite™, ensuring a minimum lap of 75mm over the existing vertical sheet and 150mm onto the horizontal soffit and floor. Temporarily fix the **APOLLO** Lite™ to the galvanised angle using suitable resistant fixings at 600mm centres

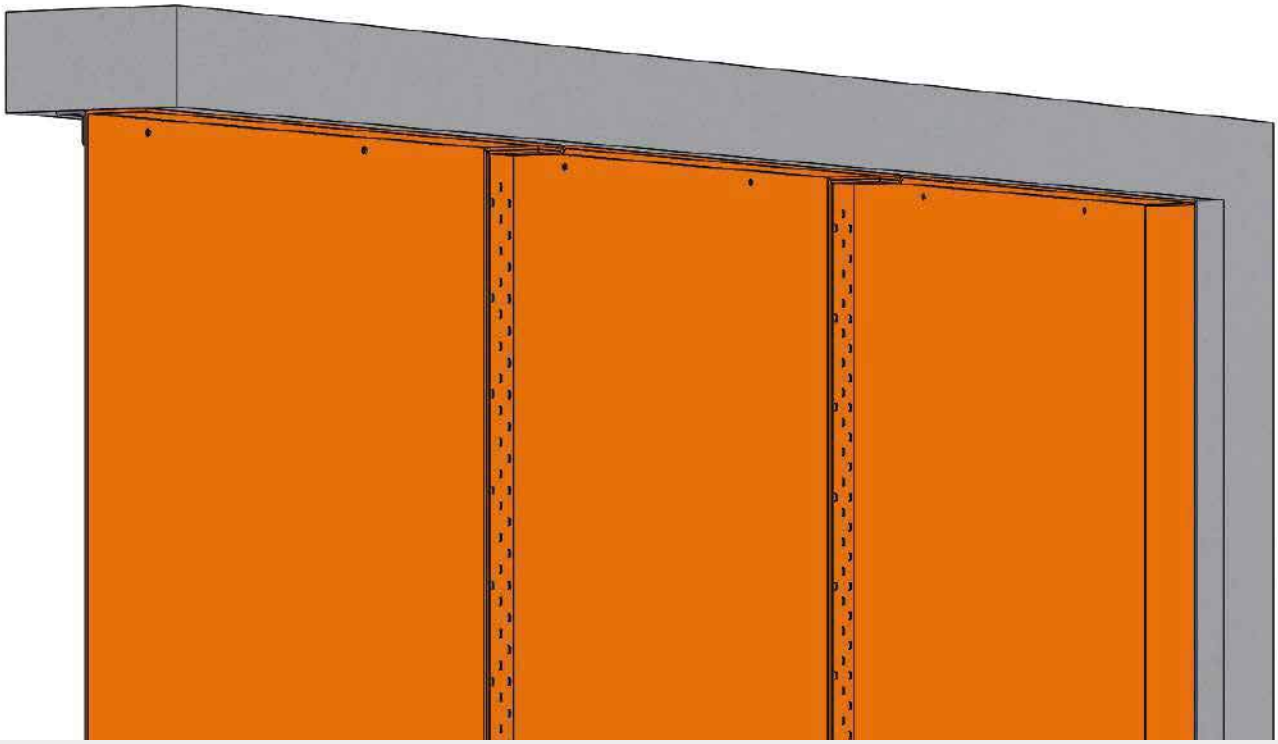
STEP 7

Staple the vertical lapped butt joint together using 3 rows of **FIREFLY™** 12mm stainless steel staples. The vertical row nearest the leading edge to be at 150mm vertical centres, middle row to be at 50mm vertical centres and the inner row to be at 50mm vertical centres and offset to the middle row.



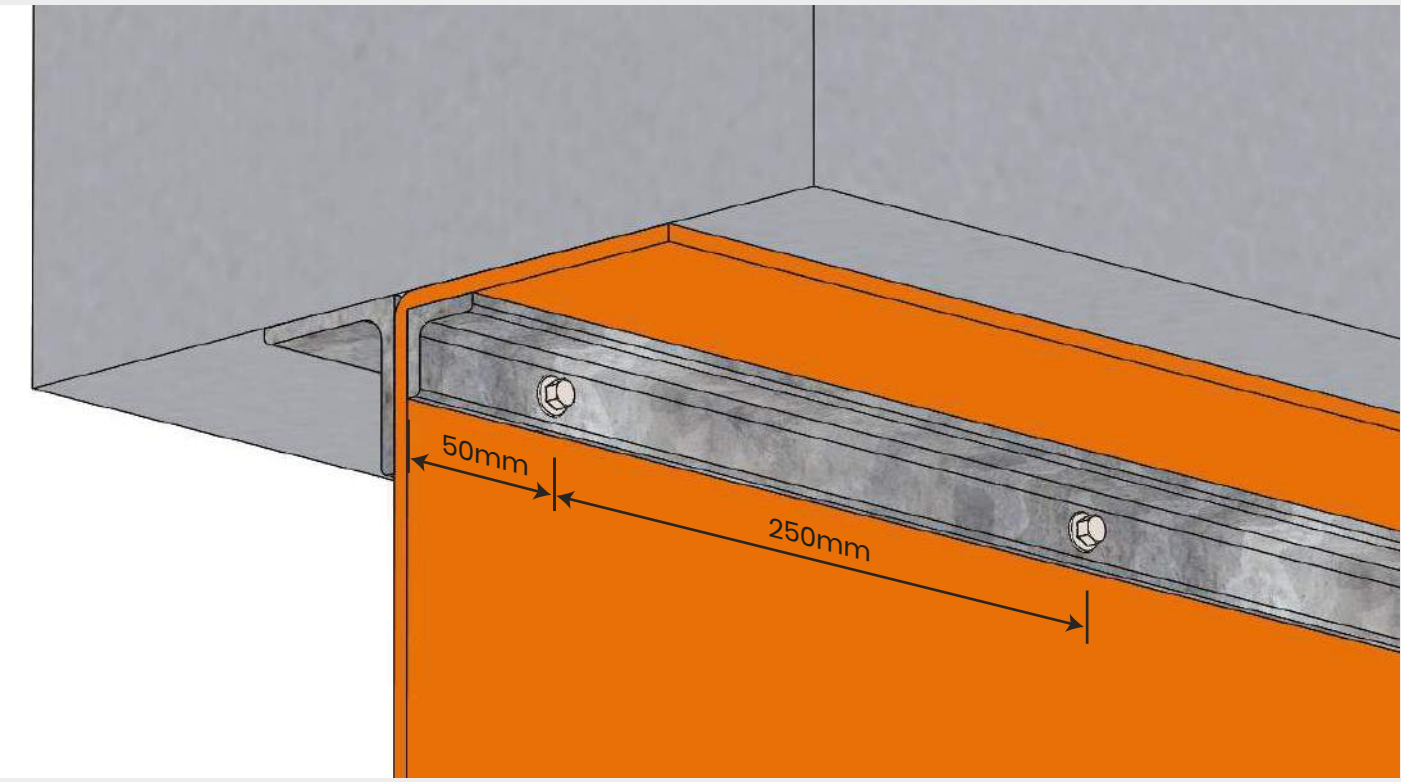
STEP 8

Continue installation in one direction to the end of the fire barrier, ensuring a minimum 150mm lap onto vertical perimeter wall.



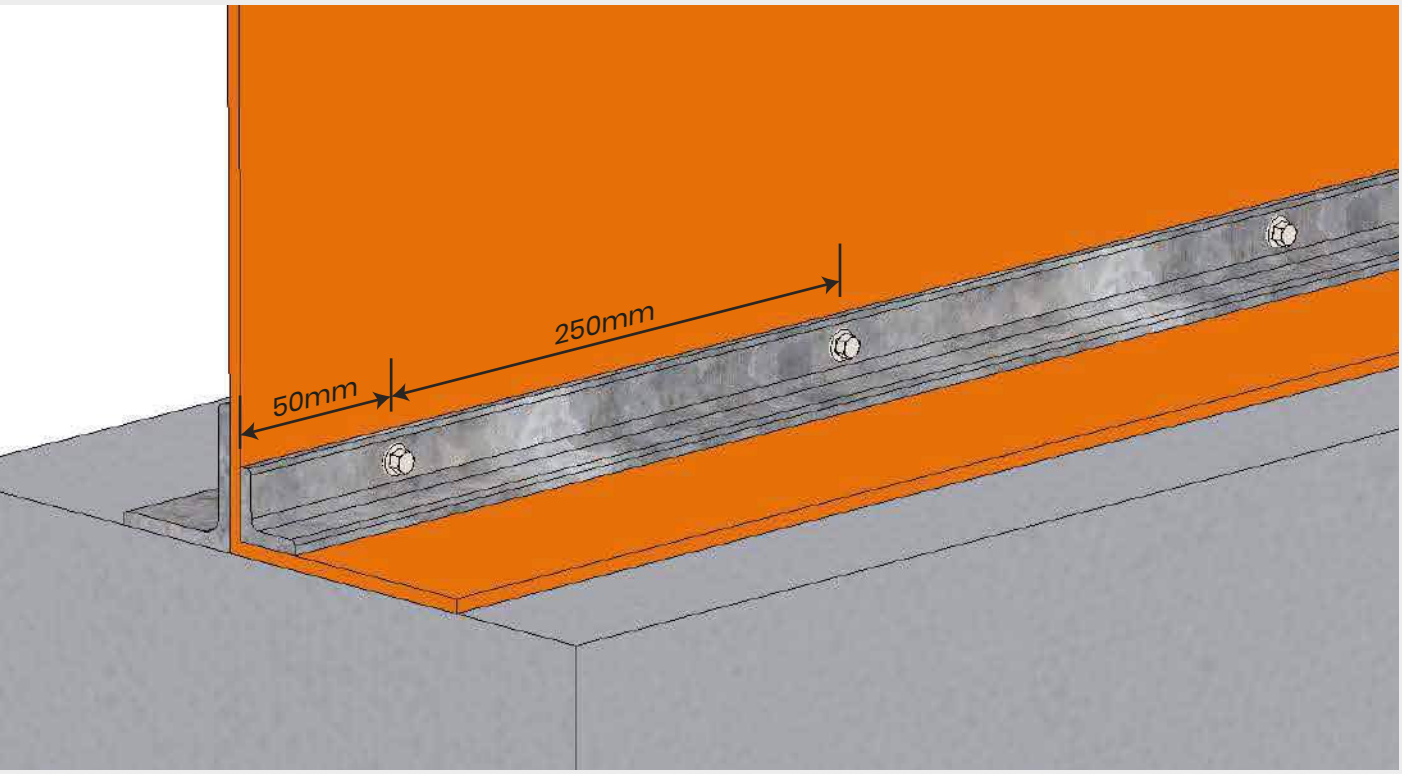
STEP 9

At the horizontal head of the barrier, retain the **APOLLO** Lite™ with a 25x25x.07 galvanised angle fixed through the barrier and to the downstand of the 50x50x0.7 angle. Use suitable fire resistant fixings, starting 50mm from either end and at 250mm maximum centres.



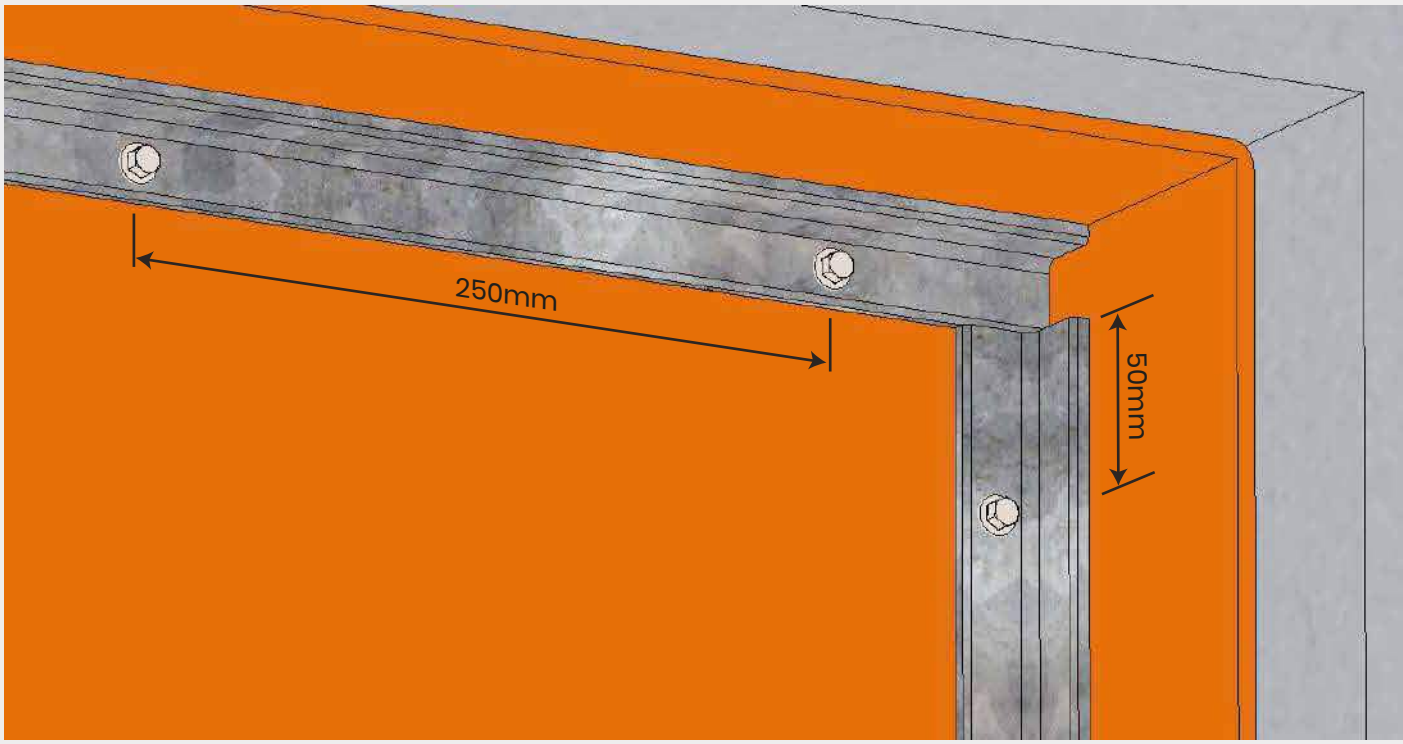
STEP 10

At the horizontal base of the barrier, retain the **APOLLO** Lite™ with a 25x25x.07 galvanised angle fixed through the barrier and to the upstand of the 50x50x0.7 angle. Use suitable fire resistant fixings, starting 50mm from either end and at 250mm maximum centres.



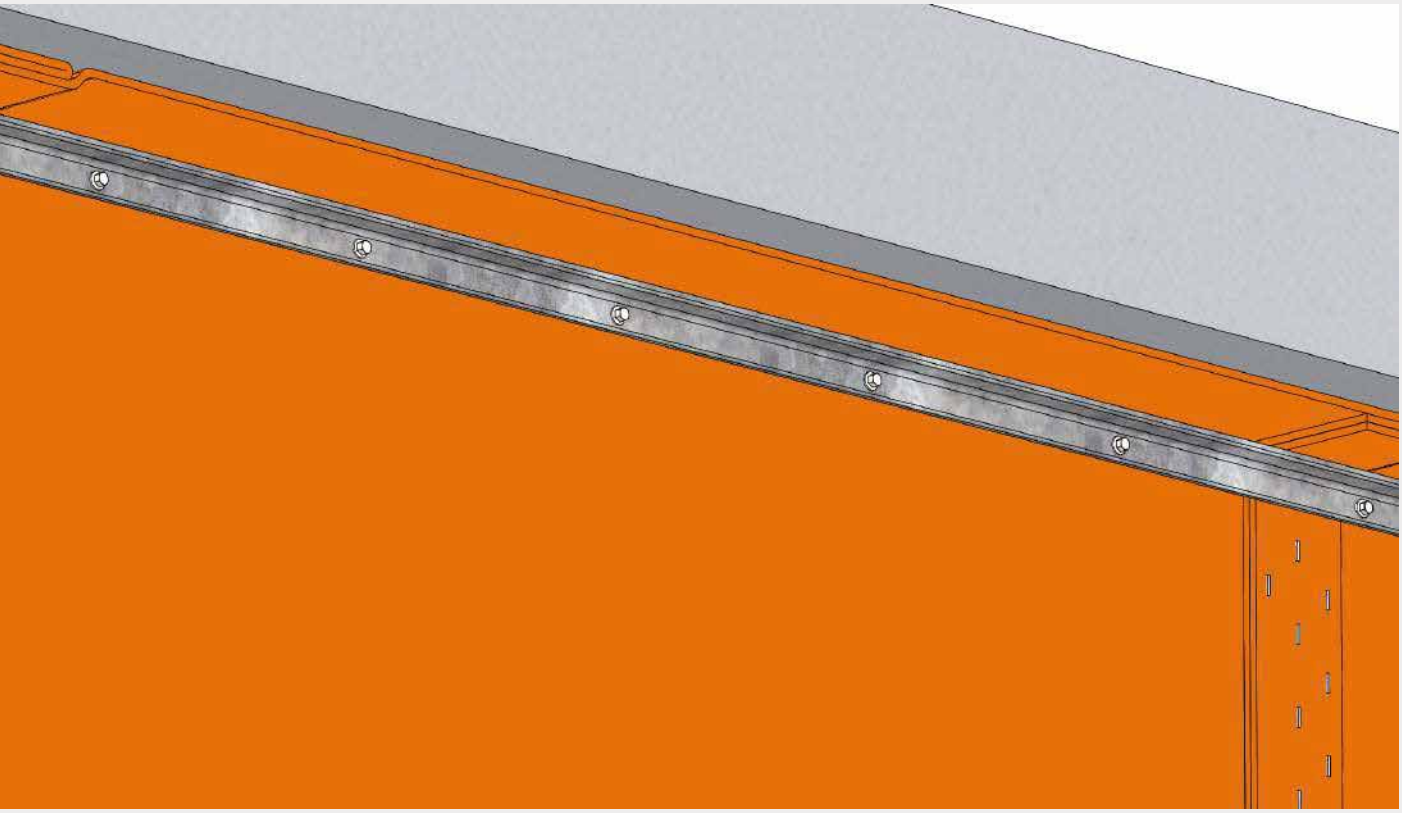
STEP 11

At the vertical sides of the barrier, retain the **APOLLO** Lite™ with a 25x25x.07 galvanised angle fixed through the barrier and to the upstand of the 50x50x0.7 angle. Use suitable fire resistant fixings, starting 50mm from either end and at 250mm maximum centres.



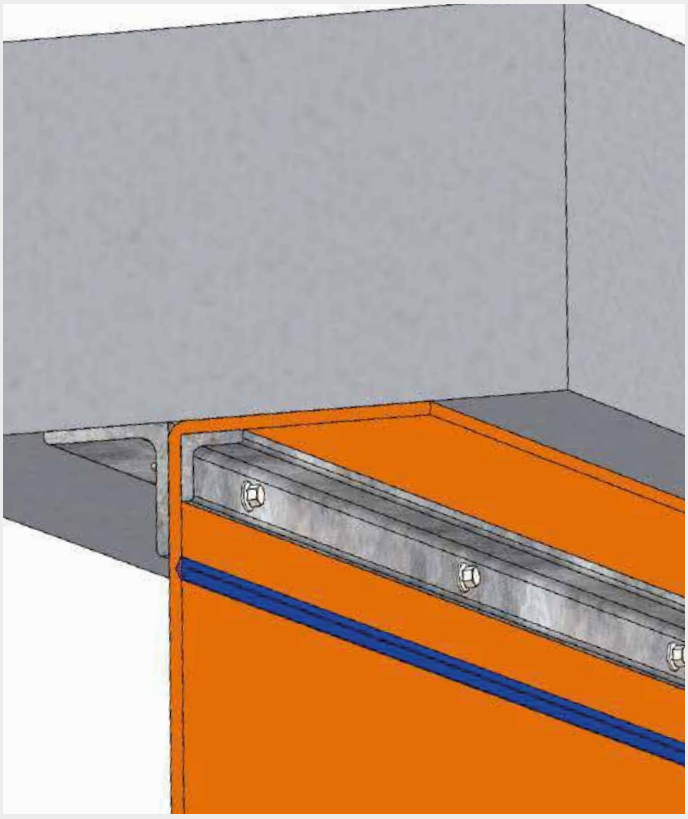
STEP 12

Quality check all retaining galvanised angles, fixing and staples to confirm the installation is in accordance with TBA **FIREFLY™** recommendations.



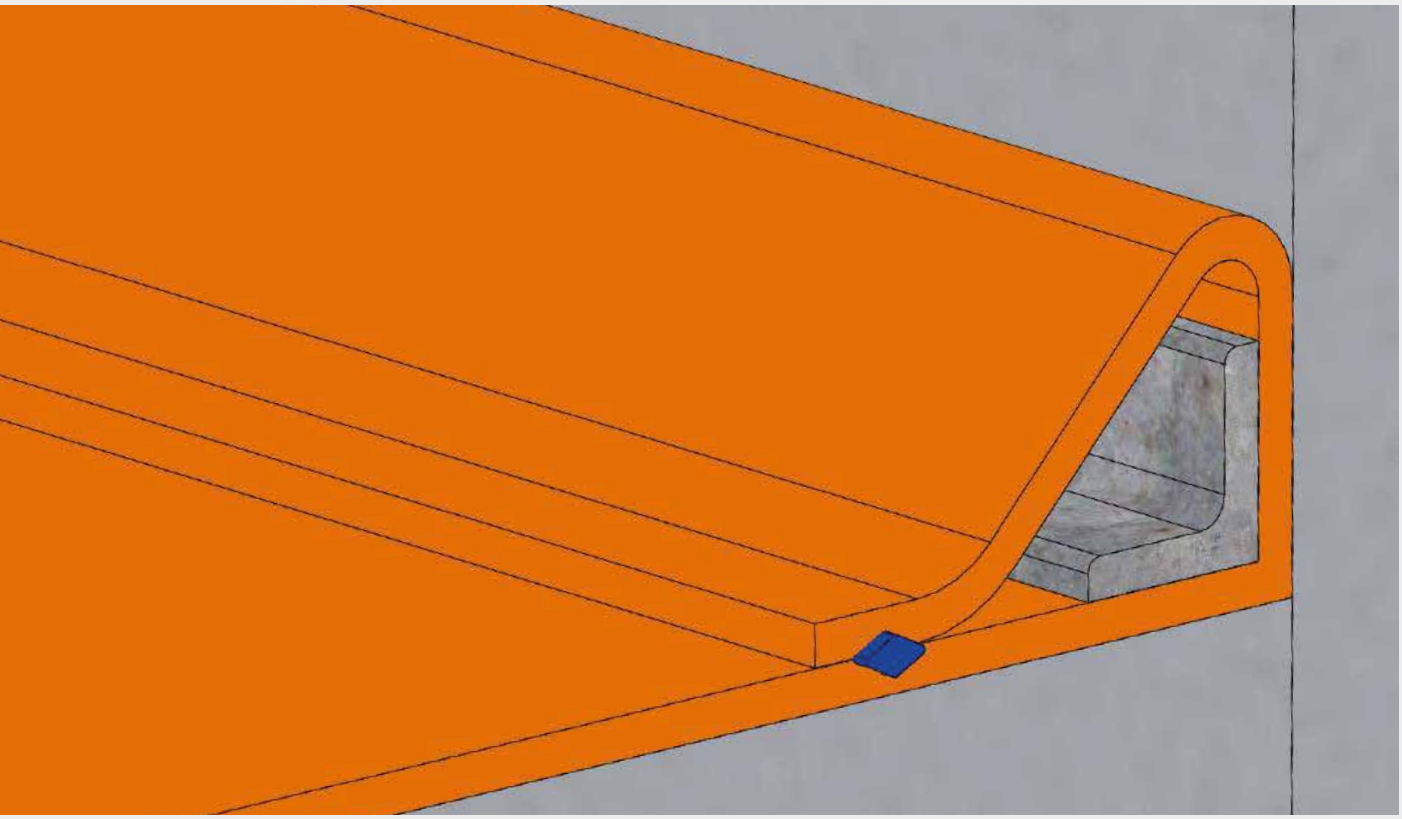
STEP 13

Apply a 6mm bead of **FIREFLY™** High Temperature Adhesive around the entire perimeter of the installation 25mm inboard of the galvanised angle.



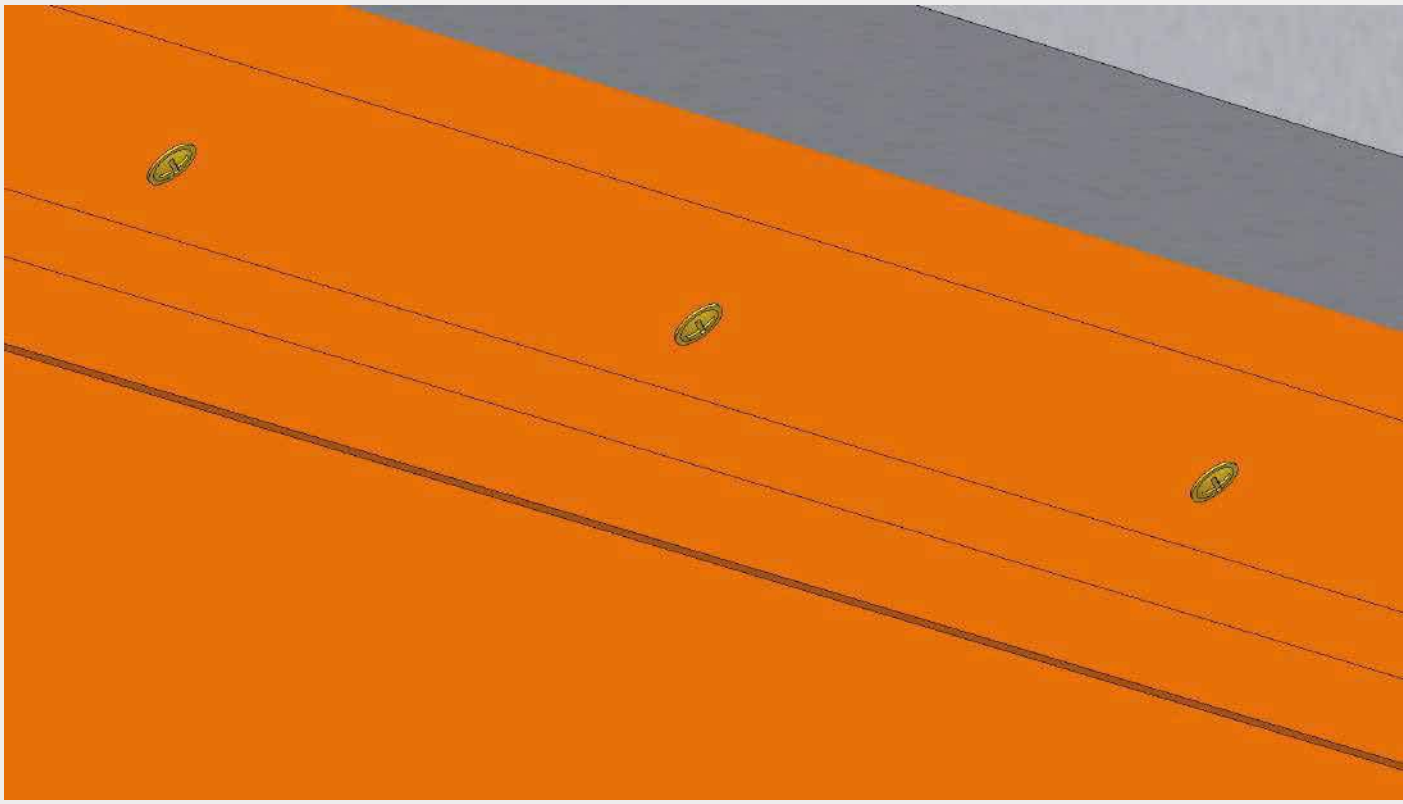
STEP 14

Fold the perimeter laps of **APOLLO** Lite™ back over the galvanised angle and press firmly into the bead of **FIREFLY™** High Temperature Adhesive.



STEP 15

Secure the folded **APOLLO** Lite™ into place using suitable fire resistant fixings at 600mm centres.



STEP 16

The completed **FIREFLY™ APOLLO** Lite™ Fire Barrier provides 30 minutes integrity and 30 minutes of insulation in accordance with BS476 Pt22: 1987 and IFCC 1463.