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# EnviroSlat®

# Weatherproof Cladding Installation Instruction

**The Following points need to be observed during the installation of Futurewood's Weatherproof Cladding**

**General information**

1. Screw holes should be oversized and countersunk. The hole diameter should be 2mm greater than the screw size. We recommend using a 9 - 10 gauge screw.

2. Fixings screws should be driven home but not over tensioned.

3. All screws should be a minimum of 25mm from the end / edge of each board.

4. The recommended sealant is H.B. Fuller's Super Sealant HPR25 (black).

5. When butt joining, the inside surface of the board should be roughed with abrasive paper to ensure adhesion of the sealant.

6. It is recommended that a string line is used to check that installed boards remain parallel.

7. A suitable Breathable Vapour Barrier needs to be installed between the studs and the Weatherproof Cladding.

**Step 1. Preparation of frame**

1. We recommend the installation of a suitable waterproof flashing at all internal and external corners, windows, doors or other penetrations.

2. The wall studs need to be adjusted and made plumb, if necessary, before installing the cladding to ensure that they are even and level and will provide a flat surface to fix the cladding to.

3. If installing the cladding vertically battens will need to be installed over or between the studs at a maximum spacing of 600mm (450mm is the preferred spacing).

**Step 2. Installation of Weatherproof Cladding boards "First or Starter Board" for horizontal installation**

1. Premark the position of the bottom of the first board on each stud.

2. Install stainless steel starter clips on to each stud.

3. Rest the starter board in place and screw home the clips ensuring not to over-tension.

**Step 3. Installation of Weatherproof Cladding boards "First or Starter Board" for vertical installation**

1. Premark the position of the edge of the first board on each batten.

2. Install stainless steel starter clips at 450mm centres.

3. Rest the first board in place and screw home the clips ensuring not to over-tension.

**Step 4. Butt joining Weatherproof Cladding Boards**

1. The proprietary butt joining plate should be used behind every butt joint of the weatherproof cladding. The joining plate is designed to fix over a double stud or a stud and block.

2. Composite boards will expand and contract with changes of temperature so care needs to be taken when cutting a board to length. The ambient temperature needs to be taken in to consideration and if the surface of the board is hot (temperature above 25 degrees Celsius) then a gap of no more than 1mm should be left between boards at a butt joint. If the surface of the board is cold then a minimum 2mm gap at a butt joint should be observed. *

**NOTE: It is Important that the boards are stored in the shade prior to installation to ensure the temperature of the boards remains close to the ambient temperature.*

3. The weatherproof cladding needs to have the back of the board "abraded" with a coarse sand paper for 50mm on either side of the butt joint where it is being fixed to the backing plate.

4. The black Stainless Steel backing plate needs to have a small bead of Fullers Super Sealant HPR25 (black colour) run from the top of the backing plate to the bottom, 20mm either side of the centre, and then the backing plate is slid into position behind one of the cladding boards and over the double stud. Half the backing plate will be behind one end of one of the cladding boards. The next board should be placed into position with the end 55mm from the other board. Do not screw this board in yet.

Place some of the Fullers Super Sealant HPR25 into the lower section of the backing plate where the two boards will join, and then slide the board into place reducing the 55mm gap down to the appropriate size gap (see previous point #2).

Any excess Sealant should be left to dry and then trimmed with a sharp knife.

**Step 5. Fixing External and internal corners**

1. We recommend using a powder coated aluminium section such as a 76.2mm x 3mm angle for external and internal corners. The angle can be colour matched/blended to suit downpipes, windows or other flashings that are in the vicinity of the cladding.