

# Ecoclad imported doorset range

## DOORSET INSTALLATION

### DEFINITIONS

#### 'Manufacturer'

UAB Meranti, Piliakalnio g. 84, Nemencine, Vilnaus raj., Lithuania

#### 'Supplier'

Environmental Construction Products Ltd, trading as Supplier

**FRAME INSTALLATION GENERALLY FOLLOWS GOOD PRACTICE GUIDELINES FOR ANY QUALITY TIMBER WINDOW OR DOOR. PLEASE READ THROUGH THE INSTRUCTIONS BEFORE FITTING.**

**IT IS RECOMMENDED THAT INSTALLATION OF ECOCLAD TIMBER WINDOWS BE CARRIED OUT BY A SUITABLY QUALIFIED AND COMPETENT CRAFTSPERSON.**

Installation should conform to BS 8213 pt 4 *Code of practice for the installation of replacement windows and doors in dwellings*. These guidance notes include some of the main details.

### FINISHES

All doorsets are fully finished. Care should be taken during installation to avoid marking or damaging finishes. Please see the MAINTENANCE sheet for more information on touching up and remedial work to finishes.

### 1. BEFORE FITTING

Prior to installation frames and ironmongery must be protected from building debris, stored vertically, properly supported and kept dry under cover (see Standard Terms and Conditions).

When replacing doorsets, check that the replacement is correct size before removing old doorset.

There should be a tolerance gap of approximately 5mm all way round the doorset.



Using a screwdriver, take out the blue temporary cylinder fill (you will need to rotate the slotted center until the cylinder fill will come out).

Fit cylinder supplied, and fit retention screw.

Fit handle set, screwing through from the inside.



**Please note:** adjustment to frame sizes should be avoided. Where this cannot be avoided, please see MAINTENANCE INSTRUCTIONS, for treatment procedure

## 2. POSITIONING OF FRAME

First ensure that any Damp Proof Membrane (DPM) around the wall opening, is in position and intact. Position frame correctly in relation to Damp Proof Membrane (for guidance see BS 8213 pt 4). Frames should be isolated from sources of dampness. Additional or new DPM may need to be installed (for guidance see BS 8213 pt 4). Cills should be packed off masonry or brickwork with impervious packings eg narrow blue slate strips or plastic spacers.

Please ensure that, where applicable, the water drip on the underside of any extension cill is clear of masonry so that it can shed water correctly.

## 3. FRAME FIXING

Frames must be installed plumb and square in the wall opening.

Frames must be securely fixed. Wedging is not sufficient.

Fixing intervals should be no more than 150 mm from corners and at not more than 600 mm centres.

Frames must be mechanically fixed either with through frame fixings (only applicable on opening windows) or using cleats if there is no suitable substrate for through frame fixing, and on fixed sidelights.

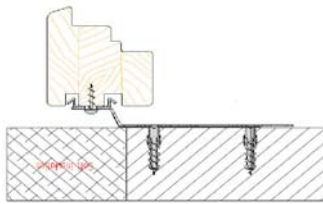
Through frame fixing should be with:

**either** proprietary frame fixings;

**or** non-corroding screws and plugs.

Fixings should be through the rebate and penetrate masonry at least 35mm, with frames adequately packed to avoid distortion.

Screw heads should be countersunk and filled with a suitable filler or covered with a proprietary cap.



Cleat fixing should be undertaken with non-corroding cleats and non-corroding screws.

## 4. SEALANTS

To ensure an insulated and airtight seal between frame and opening, a polyurethane expanding foam may be used. This can also act as a backing to the sealant used.

Seal between the frame perimeter and the external wall opening as follows:

Gap width	Method
5mm or less	use low modulus neutral cure silicone sealant to BS 5889.
5-10 mm	if expanding foam has not been used, a polythene foam backing strip may be used, pushed back into the joint to allow a 6 mm deep silicone seal.
more than 10 mm	if expanding foam has not been used, use wide polythene foam backing strip, silicone sealant and external cover mould.

*Note: gaps of over 10 mm should be avoided.*

Use of masking tape on frame and surround can facilitate a neat finish to silicone joints.

As an alternative method for wide gaps between frames and masonry walls, a strong sand/cement fillet may be used, with final seal between frame and fillet comprising silicone as above.

With correct detailing, expanding tapes can also be an effective method of sealing windows to opening.

Please draw the attention of the owner of the building to the Maintenance Instructions.

## 5. DOOR SILLS

Doorsets will be supplied with one of two forms of sill fixed to the underside of the frame legs:

- Standard aluminium sill with thermal break (20 mm high)
- Mobility sill, compliant with Part M of the Building Regulations (15 mm high)

Both sills should be bedded to the substrate with a suitable silicone or similar sealant, and screwed down with non corroding screws at approximately 300 mm centers.

A suitable silicone sealant should also be carefully gunned between the sill and frame leg after fitting (it is not advised to seal prior to fitting, and this is not done in the works, because of the risk of movement and potential breaking of the seal).

## 6. LOCK ADJUSTMENTS

Locks can be adjusted for compression using an allen key and the eccentric cam adjustment.



## 7. HINGE ADJUSTMENT

Hinges can be adjusted in two dimensions

**COMPRESSION** – drift out center pins from hinges and carefully take out the door and store. Hinges can then be screwed into or out of the frame as shown.



### ADJUSTMENT IN PLANE OF DOOR

Slightly loosen off screws, A. Adjust screw B for each hinge to adjust door position. Retighten screws A



### 8. HINGE SECURITY

For outward opening doors, the center pin must be locked after hinge adjustment. To do this, loosen allen screws 'X', and move slide 'Y' from position 'A' to 'B' (your doors may already be supplied with slide Y in this position).



Screw X



Slide Y

A B

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