



## PERFORMANCE SPECIFICATION FOR

### EVERCRETE'S EVERWOOD (EW)

### PRESERVING AND HARDENING

### OF ALL NATURAL WOOD STRUCTURES

#### 1. PREAMBLE

The following specification is designed for Evercrete Everwood (EW) material performance on natural wood structures.

However for wood structures found to have abnormal conditions such as insect attacks, visible cracks or other significant factors and damages affecting the wood structure, this specification may not apply and a new specification may need to be tailored to suit on a specific case by case basis. The supplier of the material will be able to advise further.

#### 2. GENERAL

Treatment shall be carried out to the surfaces described in the contract in accordance with the manufacturer's instructions. All works to be in accordance with the relevant Occupational Health and Safety requirements. No works shall be carried out on the site without the Engineer or his representative in attendance, unless agreed.

#### 3. MATERIAL STORAGE

- 3.1 Materials shall be stored in an enclosed cool dry area, protected from direct sunlight.
- 3.2 The material shall remain in its original sealed containers until time of use.
- 3.3 The contractor shall provide the Engineer, upon delivery, proof that the material is genuine Evercrete Everwood. No material shall be used on site until this information has been provided and accepted by the Engineer.
- 3.4 The material shall be used as supplied and not diluted.
- 3.5 The contractor shall deliver to site sufficient material to carry out the work in sealed containers bearing a label, which shall list the manufacturer's name, trade name, application rate and precautionary methods required.

#### 4. SPRAY EQUIPMENT

- 4.1 By brush, roller or spray in accordance with the manufacturer's instructions.
- 4.2 No water shall be permitted to enter any part of the system.
- 4.3 Low pressure sprayer (max 20-30 psi).



## **5. SURFACE PREPARATION**

- 5.1 All surfaces to be treated shall be cleaned of paint, mortar, dirt and oil; nail and any surface treatment. No surface shall be treated that is not clean. Cleaning works to be carried out by others.
- 5.2 Drilling of holes by other trades shall be carried out prior to the application of Evercrete Everwood (EW).
- 5.3 If such drilling of holes is carried out after the application of Evercrete Everwood (EW), Evercrete will sell Evercrete Everwood material to the Main Contractor, in order to re-spray those areas.
- 5.4 All re-spraying of holes shall be treated in accordance with the manufacturer's instruction see item 9 below.

## **6. PROTECTION**

All surfaces that are not to be treated shall be protected from spillage, dripping, or splattering of the waterproofing material. Immediately wipe off the material if it is sprayed onto glass or aluminum.

## **7. MATERIAL**

- 7.1 The Wood Preserving material shall be clear, colorless, odorless, nonflammable and nontoxic, tasteless.

When sprayed onto the natural wood structure surface it should penetrate the surface to become an integral part of the wood by chemically reacting with the alkali and acid present in most of the wood cells, forming an aero silica gel membrane on the surface of the cell walls. This membrane forms an internal seal and barrier against the factors cause of deterioration. There should be no change to the surface characteristics of the natural wood after the application of the Everwood.

- 7.2 The material shall not be diluted by solvent or any other fluid.

- 7.3 The material shall possess the following properties:

Appearance:	Clear Liquid
Odor:	None
Boiling Point:	100°C
Specific Gravity:	1.05 – 1.11
Vapor Pressure:	Unknown
Solubility in Water:	Complete
PH (1% solution):	10 - 12

## **8. TRAINING AND SITE SUPERVISION**

In all cases where Evercrete Everwood shall be applied by a contractor, who is not an approved applicator, Evercrete shall offer to train the contractor's site staff and labourers if required to apply the material in accordance with the requirements. Training will include cleaning of the area, equipment usage and spray methods.



## **9. APPLICATION**

### **9.1 Records**

The contractor shall maintain a record of the quantity of material used and the areas treated for each application to verify that the minimum required coverage rate has been achieved. The format of such record shall be agreed with the Engineer and kept up to date and available for the Engineer's inspection throughout the course of the work.

### **9.2 Evercrete Everwood Application**

1. Work sequence to be agreed by the Engineer.
2. Shake or stir Evercrete Everwood prior to use.
3. Ensure the wood surface is clean and free from paint, dirt, oil and grease.
4. Apply using a low-pressure garden-type sprayer, bush, roller or mop.
  - a. Apply liberally and saturate all areas, it is suggested to follow the natural grain of the wood.
  - b. Vertical surface should be applied from the bottom up to ensure uniformity of application.
  - c. On horizontal surfaces the material should be applied so that the surface has a mirror wet look for at least 5 seconds after application. It should not be excessively applied so as to cause ponding.
  - d. On soffit areas the material shall be applied by continuous spray/ roller/ brush technique. The treated surfaces shall have a "mirror wet look" for at least 5 seconds.
5. Holes drilled after the application of the Evercrete Everwood, should be re-treated with another treatment of Evercrete Everwood in accordance with items 4 above
6. Where it is desired to paint the surface, the paint should be applied at least 7 days after completion of Evercrete Everwood application, ensuring the Everwood to fully cure.

## **10. WARRANTY**

10.1 Buyers and users are encouraged to conduct their own tests prior to application and also to apply Evercrete Everwood to a small test area first.

10.2 Since no control is exercised over product use, no warranty, expressed or implied, is made as to the suitability of products for a particular use or as to the effect of such use, and no liability is assumed, directly or indirectly.