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## DRYVIT OUTSULATION SYSTEMS

### GENERAL

Nuplex **DRYVIT®** cladding system is an Exterior Insulation Finishing System (EIFS) based on expanded polystyrene board fully adhered to water resistant Gib with a flexible adhesive. Followed with a polymer based flexible plaster system and finished with a flexible coating system.

This specification deals with:

1. Manufacture of Material
2. Finish Options
3. Surface Preparation
4. Application

### **1 MANUFACTURE OF MATERIALS**

All materials shall be produced, supplied or specified by Nuplex Industries Ltd to avoid incompatibility of component materials. It is essential that Nuplex technical staff be consulted before any product other than those specified is used.

### **2 FINISH OPTIONS**

The finish options range from full gloss to semi-gloss finishes. There is a wide range of surface textures available as well as exposed aggregate finishes.

### **3 SURFACE PREPARATION**

It is the applicators responsibility to inspect all areas which will receive the Dryvit system and report any unsatisfactory conditions to the main contractor. Listed below are detailed specifications for application.

### **CONCRETE, MASONRY AND BLOCKWORK**

These substrates may accept a specific Dryvit cladding system which is specified on a different sheet. Please refer to Nuplex Industries for advice.

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#### NUPLEX CONSTRUCTION PRODUCTS

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|                        |                                      |                            |                                |
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## **DRYVIT OUTSULATION SYSTEM** (cont'd)

### **WEATHER-BOARDS AND HARDIPLANK**

These substrate must be battened prior to application of Dryvit. Building paper is not required.

### **TIMBER AND STEEL FRAMEWORK**

The Dryvit system does not require building paper to be used. Apply the Dryvit system directly to the structure.

### **OTHER SUBSTRATES**

Refer to Nuplex Industries Ltd for recommendations.

## **4 APPLICATION**

All products shall be applied in accordance with manufacturer's instructions or recommendations.

### **1<sup>ST</sup> STAGE**

Mechanically fix the WR Gib as per Winstones instructions. Fix the Detail Mesh along the base of the structure and around any openings such as windows and doors. Ensure there will be enough Detail Mesh to wrap around and cover the front face 10mm in from the board edge. Install Dryvit corner mesh on external corners. Refer to separate drawings for opening and edge details.

### **2<sup>ND</sup> STAGE**

Polystyrene sheets will measure 1200x600mm. Mix up the Genesis adhesive as per technical data and apply a 50mm wide border and 10mm in depth of Genesis adhesive around the perimeter of the polystyrene board as well as 8 dabs of adhesive within this border. Press the board onto the Gib. Continue laying boards in a bricklike fashion. Where doors and windows have been pre-detailed, wrap around the Detail Mesh and plaster the board face (100mm in) to fix the Detail Mesh in place. Allow to cure for 24 hours. Ensure opening details have been cut "into" a full board, i.e. do not allow joints to be a continuation of opening edges and corners.

### **3<sup>RD</sup> STAGE**

Mask out appropriate areas. Mix up the Genesis adhesive as per specification and apply to the face of the boards at a thickness of 1.6mm (min) for standard mesh. Screed off excess plaster and embed the standard mesh into the Genesis while still wet. Apply more Genesis plaster immediately and trowel/float to an even, flat consistency. Allow to cure overnight. "Stone" off any trowel marks or add more Genesis to appropriate areas.

## **DRYVIT OUTSULATION SYSTEM** (cont'd)

In areas of high impact or where specified, it is advisable to install PANZER mesh. This increases impact resistance. Panzer mesh is plastered to the polystyrene with Genesis, over plastered and then the standard mesh applied as normal.

### **4<sup>TH</sup> STAGE**

Apply the specified finish coat (refer to separate data sheet) for example:

- Dryvit Sandblast
- Dryvit Quarzputz
- Flexicote Fine, Medium, Coarse
- Flexitrowel
- Surfaglaze

**Note:** Refer to technical data sheet for mixing ratios.

This specification is to be read in conjunction with relevant technical data sheets. If any doubt or confusion exists please contact Nuplex Industries Ltd, Building Products Division.