

## SPECIFICATION:

Jaydex Double Sheet Membrane System with an Acrylic Finish For Potable Water Runoff on a Plywood Roof

**ROOFING SOLUTION**

**NOVA141P**

**AUG 2010**

### INTRODUCTION

This specification includes the preparation and application of the **Jaydex 4 mm Polibit Mineral/ Novaflex** double sheet system (ISO9001) to a plywood roof. The system is composed of 4 mm chip finished membrane torch applied over another plain torch on membrane to create a nominal thickness of 7 mm. The natural slate finish is permanently embedded into the body of the membrane and provides a permanent key for the subsequent acrylic roof coating over the natural slate chip. This strong, thick membrane system is subsequently over coated with a Jaydex acrylic water based gloss roof finish to create a long term safe stable catchment surface for potable water run-off.

**Note:** Jaydex (*only*) supply APP / (Atatic Polypropylene) Polyester reinforced membranes.

### SUBSTRATE PREPARATION

Plywood shall be a minimum 17mm CD treated structural plywood, laid out to maximise whole sheets in a staggered pattern, butt jointed, with a maximum support joist spacing of 600mm.

The plywood sheets shall be glued to the support joists and at all butt joints and screw fixed using counter sunk corrosion resistant screws of the correct length and spacing

Timber fillets 20mm x 20mm minimum shall be installed at all vertical and horizontal junctions. Falls to be a 1:30 minimum for Roof Areas and 1 in 100 minimum for any associated Internal Gutters as per E2/AS1.

### APPLICATION OF MEMBRANE SYSTEM

#### Primer

One coat of Bitumen Primer is applied at a spreading rate of approx 8sqm/litre by brush or roller over total roof area and allowed to dry.

#### Membrane to Roofs

All internal and external corners and vertical to horizontal transitions shall have plain membrane gusset patches and strips applied before the main membrane application is applied over the total roof gutter area.

Torch down base sheet **Jaydex Novaflex** polyester reinforced membrane over the total preprimed areas. Torch seal all end and side joints to ensure correct closure. The top sheet of **Jaydex Polibit Mineral** is then torched over the base sheet and offset (i.e. base and topsheet laps to not coincide). All joints are torch sealed separately to ensure correct closure.

#### Membrane to Gutters

Where internal gutters form part of the roof area. **Jaydex Mineral Chipped** 4 mm membrane topsheet is torch applied as the top sheet over the plain base sheet; prior to laying the main roof with the Mineral Chipped membrane.

### **Overcoating for Potable Water Runoff**

The total **Jaydex Polibit Mineral / Novaflex** membrane area is subsequently over coated with a thick single application of **Jaydex Colour-It barrier** coating followed by a double application of water based acrylic **Jaydex Aquaseal** to create a sealed finish over the dense natural slate chip.

Note: Broom the Polibit Mineral down prior to the Application of the Protector Coat Application.

Allow adequate curing time between coats. The colour of the Jaydex acrylic sealed finish is optional and open to Client choice.

### **ROOF VENTS**

For top ventilating of enclosed cavities below rooflines. Jaydex possess low profile tough light efficient *Air Vents* that can be installed down to a minimum of 20sqm of roof surface area per vent to release potential hot moist air build ups. Ventilation methodology is the sole responsibility of the Designer – Contact Jaydex

### **DRAINAGE OUTLETS**

Jaydex possess Outlets of tough light composition and of various aperture sizing. These units incorporating flanges to ensure watertightness can drain water away through parapets, deck/roof inverts and from internal gutters. Jaydex also possess sump units to cater for both the overflow and outlet function in the same unit

### **MAINTENANCE**

- 1** The Jaydex Membrane Roof/Deck system, must be regularly checked for damage by others. Any damage, detected must be correctly repaired and where applicable a recoat carried out over the membrane. All rubbish / debris left lying on the membrane surface must be removed.
- 2** Jaydex Side and Dropper drainage units must be regularly checked with removal of any accumulated rubbish at the inlets. All inlets should have Jaydex propriety grates installed in them.
- 3** Jaydex recommend a periodic clean down with water; ( plus 1 percent soap) of all exposed Membrane Roof / Deck Surfaces in conjunction with a Moss Inhibiter.

### **WARRANTY**

When Jaydex Licensed Contractors apply this membrane system in accordance with this specification a Standard Warranty will be issued for up to twenty five (25) years.