

## SPECIFICATION:

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

**ROOFING SOLUTION**

**NOVA141C**

**AUG 2010**

### INTRODUCTION

This specification includes the preparation and application of the **Jaydex 4 mm Polibit Mineral/ Novaflex** double sheet system (ISO9001) to a concrete 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

Concrete shall be correctly formed to falls and adequately cured, all ridges protrusions stone flush and all depressions gauge patched with modified sand cement. Concrete to be finished to NZS3114:1980 U2. Only wood or bull float manually to create an even surface finish (no power floats are to be utilised)

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 basesheet **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 Polibit Mineral** membrane 4 mm can be substituted for the normally applied **Jaydex Polibit Plain** 3 mm membrane topsheet. It is torch applied as the topsheet over the underlying 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** coating followed by a double application of **Jaydex Aquaseal** to create an acrylic sealed finish.

**Note:** Broom the Polibit Mineral down prior to Colour-It Application.

Allow adequate curing time between coats. The colour of the Jaydex acrylic coating system 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 invert 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.