

## SPECIFICATION:

Jaydex Double Sheet Membrane System with Timber Overlay for a Concrete Pedestrian Deck

**DECK SOLUTIONS**

**NOVA251c**

**AUGUST 2010**

### INTRODUCTION

This specification includes the preparation and application of the **Jaydex 3 mm Polibit Plain/Novaflex** double sheet system (ISO9001) to a concrete deck. The system is composed of 3 mm plain finished membrane torch applied over another plain torch on membrane to create a nominal thickness of 6 mm with both membranes possessing strong polyester reinforcement. This membrane system is then overlaid with a floating timber batten/slatted deck system. The fixing points for this timber deck are around the deck periphery and not through the deck floor. The Timber support battens can be supported by Jaydex Deck Packers.

**Note:** *Jaydex versus many of its Competitors do not market low quality membranes manufactured with weak fibreglass reinforcement.*

### 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 1:40 minimum for Deck 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 Decks

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 Plain** 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 Plain** membrane 3 mm is torch applied as the topsheet over the underlying plain base sheet prior to laying the main deck with membrane.

### **Timber Overlay**

The Timber Batten supports for the timber slats to have **Jaydex Proprietary Packers** 15mm, 13mm, 3mm in height modules or rubber isolation pads. The battens should be orientated down the line of fall.

### **Overcoating**

Any **Jaydex Polibit Plain / Novaflex** membrane area left exposed permanently is to be overcoated with **Jaydex Colour – It barrier coat** followed by two coats of **Jaydex Aquaseal** an acrylic sealer with optional colour choice. Alternately two coat application of **Jaydex Alumicote** can be applied to create a reflective silvery finish to the exposed membrane Roof Area.

### **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 proprietary 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.