

SPECIFICATION:

Jaydex Double Sheet Membrane with an Earth Overlay for a Plywood Roof

ROOF SOLUTION

NOVA237P

AUG 2010

INTRODUCTION

This specification includes the preparation and application of the **Jaydex 3 mm Polibit Plain/ Novaflex** double sheet system (ISO9001) to a plywood roof. The system is composed of 4 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 proprietary drainage medium. A sandy loam soil mixture is then applied directly over this drainage medium to provide a natural planted earth finish for the duration of the roof's service life.

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

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 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. The **Jaydex Polibit Plain** membrane 3 mm is torch applied as the topsheet over the underlying plain base sheet prior to laying the main roof with the membrane system.

EARTH OVERLAY

Proprietary perforated purpose made retainers must be installed around all drainage outlets and along internal gutter edge lines. A proprietary drainage cell/sheet system incorporating a geotextile is installed over the applied membrane system. A sandy loam earth overlay or specified planter mix (to a specified thickness. 200 mm min) , is then manually placed over the drainage medium.

Overcoating

Any **Jaydex Polibit Plain / Novaflex** membrane area left exposed permanently is to be overcoated with **Jaydex Colour – It barrier coat** followed by two applications 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.

Allow adequate curing time between coats the colour of the Jaydex acrylic coating system is optional and open to client choice.

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.