

SPECIFICATION:

Jaydex Double Sheet Membrane System With a Stone Aggregate Overlay for a Concrete Roof

ROOFING SOLUTION

NOVA236C

AUG 2010

INTRODUCTION

This specification includes the preparation and application of the **Jaydex 3 mm Polibit Plain/Novaflex** double sheet system (ISO9001) to a concrete roof. The system is composed of 3 mm chip 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 drainage medium followed by stone/aggregate overlay to create a long term natural finish to the Roof Area.

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 1:30 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. **Jaydex Polibit Plain** membrane is torch applied as the topsheet over the underlying plain base sheet prior to laying the main roof area with the Plain membrane.

Stone Aggregate Overlay

Proprietary perforated retainers and/or Concrete Pavers on **Jaydex Corner Supports** must be installed around all drainage outlets and along internal gutter edge lines. A proprietary drainage

cell/sheet system normally of plastic composition must be installed over the applied membrane system followed by a geotextile cloth overlay. Rounded river stones and/or stone aggregate are then manually placed on top of the geotextile cloth. In the case of aggregate the drainage medium must be applied up against all membraned upstands to the anticipated height of the laid Aggregate.

Overcoating

Any **Jaydex Polibit Plain / Novaflex** membrane area left permanently exposed is to be overcoated with **Jaydex Colour – It barrier coat** followed by a two coat application of **Jaydex Aquaseal** acrylic sealer with an optional colour choice or conversely a two coat application of **Jaydex Alomicote** bitumen/aluminium paint to create a silvery reflective finish. Allow an adequate curing time between all coats.

For Potable water run off refer to **Jaydex Specification NOVA141P** and / or contact Jaydex International Ltd.

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.