

SPECIFICATION:

Jaydex Sheet Membrane System with an Asphaltic Overlay on a Concrete Vehicle Deck

DECK SOLUTION

NOVA270C

AUGUST 2010

INTRODUCTION

This specification includes the preparation for and installation of the **Jaydex Novabond** single layer system (ISO9001 rated) to a concrete screed deck surface. The total system is composed of either 4 or 5 mm ultra reinforced spun bonded polyester torch on membrane applied first and then overlaid with a compacted asphalt screed. This compacted asphaltic wearing course in combination with a tightly sandwiched ultra strong membrane provides a problem free vehicle storage / movement deck area over the long term.

SUBSTRATE PREPARATION

Concrete Screed Surface

Shall be finished to NZS3114:1980 U2. Wood or bull float manually only to create an even surface finish. Fillets 50 mm x 50 mm shall be installed at all vertical and horizontal junctions. Concrete falls to be 1:60 minimum to ensure adequate runoff. In the event the support structure for the concrete screed is made up of Dycore slabs. The Dycore channels must be drilled from below to release any water residue that may be present.

The concrete screed must be correctly engineered to meet the NZ Standards for Concrete Screed Quality and Emplacement. It must be cured for the prescribed minimum period , but in any event the RH of the screed invert must not exceed 75% prior to the membrane application.

In the event the prescribed minimum concrete curing period will not be met Jaydex International Limited must be fully consulted by the Main Contractor well before any membrane application commences.

APPLICATION OF MEMBRANE SYSTEM

Primer

One coat of Bitumen Primer is applied at a spreading rate of 6 – 8 sqm / litre, by brush or roller and allowed to dry.

Membrane To Deck

All internal and external corners and vertical to horizontal transitions shall have 3 mm plain sheet membrane gusset patches and strips applied before the main membrane application.

Torch down the **Jaydex Novabond** polyester reinforced membrane over the total preprimed areas. Torch seal separately all end and side joints to ensure correct permanent closure of all laps.

Membrane To Gutters

Where gutters form part of the deck area the **Jaydex Novabond** membrane is torch applied to the gutter prior to the laying of the main roof area.

Asphalt Overlay

Prior to the laying of asphalt the applied membrane must be carefully inspected to ensure there is no mechanical damage and/or isolated moisture related blisters. Rectify any of those issues before the asphalt application commences.

A tack coat of Hot Mix primer is applied to the whole membrane area followed by No.10 Hot Mix. The Hot Mix is screeded out and rolled to a minimum compacted thickness of 50 mm. The rolling out procedure is conducted at right angles to the longitudinal lap joints of the already applied membrane sheets.

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.