

CASE STUDY

18th NOVEMBER 2014

DUROPROOF BLW – GARDEN ROOF DECK

Project:

7 Kimo Street, North Balgowlah NSW 2093

Applicator

Graybuilt Pty Ltd

Membrane System

Duromix WBE Hibuild (Primer), Duroproof BLW (Membrane)



Why Does This Require Waterproofing?

Garden Roof Decks are similar in application as planter boxes. As rain water and water from hosing plants on the garden roof deck seeps through the soil, it would hit the concrete substrate and soak through the slab into the living areas below.

What Are We Trying To Achieve By Waterproofing?

Waterproofing a garden roof deck is obviously to prevent water/moisture from entering the substrate and causing leaks. On this particular project, there is the requirement for added membrane protection, being a Drainage Cell that site on the horizontal portion of the membrane and Drainage Sheet for the vertical sections. This protection is essential to protect the membrane against any loose or aggressive fill that could potentially damage and pierce the membrane.

Photos



Procedure

- The project is the roof deck of a residential home.
- The waterproofing contractor, Graybuilt prepared the concrete substrate by removing all dust, oils and other contaminants.
- The area was primed with Duromix WBE Hibuild, two-part Water-Based Epoxy Primer.
- Graybuilt then installed Flexible Neutral Cure Silicone Joint Sealant to all wall/floor junctions and all other joints in the substrate, to accommodate anticipated movement.
- Two coats of Duroproof BLW were applied to the area. A total membrane thickness of 1.2mm was achieved throughout.
- Membrane Protection was later installed prior to filling the deck with soil and plants.