



ecoROOF Garden Roof System – Russell

Installation completed June 2005

Project type:

Residential house based in Russell (Northland) with ecoROOF garden roof system.

Purpose for design:

The ecoROOF design has many purposes. The garden roof enables the house to blend in to its surroundings giving it an aesthetically pleasing visual impact to environment. The insulation properties of the soil allow this house to stay warmer in the winter and cooler in the summer.

bituFLAME is a tough thick protection layer allowing for rugged use and sound waterproofing of the structure. The soil and garden above gives the membrane added protection from the elements.

Membrane installed:

bituFLAME two layer system incorporating base sheet and anti-root cap sheet which resists the root penetration from the plants above. A drainage system was also installed to assist with water retention (for plant growth) but to also allow excess water to drain from the roof during rain.

bituFLAME is a BRANZ appraised product and has been supplied to the New Zealand market for over 15 years.

Installation techniques:

The bituFLAME was torched down in two layers by a Waterproofing Systems Ltd accredited installer. Regular quality checks were carried out during the entire process and regular inspections were completed by a Waterproofing Systems technical representative. Once completed & tested, other contractors followed to install the channel system, geotextile, soil and plants.

Final result:

The final result achieved the desired effect of a sound waterproof structure, which enables the promotion of plant growth to complete the desired effect of a garden roof blending into the Northland coastal hillside.



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