



Solaris Meadows Gate - New Construction

Pitt Meadows, British Columbia Canada
2010

BACKGROUND

As a result of Vancouver's Gateway Transportation Project and new Golden Ears Bridge, Pitt Meadows is quickly becoming a vital hub for the Fraser Valley and Vancouver.

Right in the centre of it all is the new urban living development - Meadows Gate Village Complex. At the heart of the new community are the Solaris Meadows Gate residential homes featuring 3 towers and 1 low rise. The steel and concrete structures feature modern conveniences and were designed using LEED building principles.

Pitt Meadows' high water table was of concern for the builder. If water penetrated the concrete it could cause a breakdown in the rebar and threaten the long term durability of the buildings.

SOLUTION

3500 cubic metres (4578 cubic yards) of Krystol Internal Membrane treated concrete was used to waterproof all base slabs, all below grade exterior foundation walls as well as in the parking structure for the city library in the development.

The Krystol Internal Membrane admixture was the perfect choice for the developer wanting to build using LEED principles. Krystol Internal Membrane:

- contains Zero VOCs (Volatile Organic Compounds)
- eliminates the need for tar or petroleum based materials
- greatly decreases jobsite waste

The team also benefited from Krystol Internal Membrane's ability to protect the reinforcing steel by preventing the penetration of water and waterborne contaminants that can cause corrosion to the reinforcing steel.

Krystol Internal Membrane provided the Solaris development team the permanent waterproofing solution they were looking for.



The area's high water table posed a waterproofing concern.



3500 cubic metres of Krystol Internal Membrane treated concrete was used to waterproof the foundations at Solaris.

BUILDER

RG Properties

ENGINEER

Trow Associates Inc.

CONTRACTOR

ICR Projects Inc.

ARCHITECT

Gateway Architecture Inc.

READY MIX

Valley Rite-Mix

PRODUCTS & TECHNICAL SPECIFICATIONS

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Krystol Internal Membrane™



Kryston's pulpable, mixer-ready bags reduce jobsite waste.