

Project Spotlight

Multiple Family Residence



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Lafarge's Agilia® used to improve aesthetic appeal of neighborhood.

Project Details

Owner:

Pier 88 Holdings

Location:

White Rock, British Columbia

Contractor:

Klyne Construction Ltd.

Architect:

Site Lines Architecture Inc.

Innovative Products:

Agilia® Architectural

Volume of Innovative

Product:

900m³

Year of Construction:

2006-2007

The Opportunity

The seaside community of White Rock, British Columbia is a popular resort destination for Canadians. The colourful city is nestled amidst 8 kilometers of sandy beach and features narrow, winding streets, Victorian architecture, as well as a 486 ton white rock from which the city got its name. Due to its status as a tourist destination, the city of White Rock is concerned with its aesthetic appeal. When Pier 88 Holdings and Site Lines Architecture Inc. were in the early design stages for an upscale multi-family residence, the City of White Rock requested that decorative concrete be used for the project.

The building's location in a high profile area of White Rock made its aesthetic appeal important to the city.



Rather than using a concrete stain or paint-on product, The developers of this multi-family residence elected to use integral colouring in their Agilia® Architectural to achieve a natural earth tone look. The project used three colours of Agilia® Architectural: Slate, Brownstone, and regular grey.

The Challenge

In keeping with the city's request, Pier 88 Holdings and Site Lines Architecture Inc. created a building design that featured various forms of decorative concrete. The buildings design also featured complex forming detailing for the front columns and required several areas of dense rebar reinforcement. Opting not to use concrete stain or a paint-on product, Pier 88 Holdings and Sit Lines Architecture Inc. decided to use integral colour in their



“Agilia® Architectural was a superior choice when pouring the building’s complex forming detailing for the front columns as well as dense rebar zone areas”

- ALAN KLYNE
KLYNE CONSTRUCTION LTD.

The Challenge Continued...

concrete in order to achieve a natural earth tone look. This meant that they would need a concrete that would not segregate when poured into areas of dense rebar reinforcement with integral colour that would provide the earth tones the developer wanted.

The Lafarge Solution

Lafarge’s self-compacting concrete Agilia® Architectural was a superior choice when pouring the buildings complex forms for the front columns as well as dense rebar zones. By using an S.C.C. the contractor was able to place the concrete faster than conventional concrete would have allowed - saving the contractor time and labour.

The use of Agilia® Architectural for this project was so successful that, in addition to the exterior coloured panels of the building, Agilia® Architectural was also used as a topping mix over the hot water heating lines in the radiant heated floors of the suites to provide a level finish for hardwood flooring. Counter tops, fireplace mantels and surrounds, as well as building signage were all completed using Agilia® Architectural.

In addition to being used for the exterior panels of the building and the interior floors, Agilia® Architectural was also used to complete countertops, fireplace mantels, and fireplace surrounds in each suite.



Agilia® Architectural was poured over the hot water heating lines in the radiant heated floors to provide a smooth level finish for the installation of hardwood.



Lafarge Canada Inc.

www.lafarge.ca

Inquiries:
Western Canada
403 225 5400

Eastern Canada
905 738 7070

