

198 Aquarius Mews Condominium

PROJECT OVERVIEW

MAPEI has a world of products that can be used wherever construction is underway in a community and wherever contractors have a need for them. At a 198 Aquarius Mews Condominiums penthouse apartment, MAPEI's Ultratop self-leveling microtopping was used to create a modern decorative concrete floor. The result was a unique background for the eye-catching decor.



PROJECT INFORMATION

Project Category: Residential - Condominium
MAPEI Sales Rep: Dave Randall
Project Owner: Private Resident
MAPEI Distributor: Brock White
General Contractor: Not applicable
Architect: Not applicable
Tile Installer: Artisan Concrete Systems
Project Manager: Anton Vogt
Project Size: 2,000 sq. ft. (185.8 square meters)



MAPEI PRODUCTS USED

- Topcem Premix
- Planicrete AC
- Primer E
- Ultratop White



198 Aquarius Mews Condominium - Vancouver, British Columbia

The World of MAPEI encompasses luxury condo living

A new owner purchased one of the penthouse suites on the 28th floor of 198 Aquarius Mews, a 33 level high-rise with 184 units built in 1999. The owner, who is an interior designer, immediately gutted the unit and began searching for a fresh new look. With regards to the floor, sound protection was critical. Considering she wanted an organic concrete looking floor with radiant floor heating, it was a considerable challenge to provide a solution.

The system that MAPEI created was very unique and had never been done before with MAPEI products. A cork sound mat was used on the concrete slab, covered with 6 mils poly to provide a separation slip sheet. Expanded metal lath (2 x 2) was placed on the slab, providing a grid for the heating pipes to be strapped to and producing reinforcement for the mud bed. The contractor used Topcem Premix mixed with Planicrete AC. They added stainless steel fiber into the mix for added stability. This worked extremely well.

Workers divided the rooms



up into grids using high density foam. The foam strips were bolted to the slab and acted as screed rails for the mud bed. The mixing of the Topcem was done with a mortar mixer out on the small patio deck. (It was a challenge to dismantle the mixer and then re-assemble it out on the deck.) The mud bed installation was a two-day process.

The Topcem Premix mud bed was allowed to cure for two days prior to the overlay application. Workers applied Primer E with sand broadcast over the entire floor area in the unit, including the kitchen, hallways, bathrooms, closets, and bedrooms. Ultratop White was then installed over the primer the following day. The process took two days,



due to the layout of the unit. Once the Ultratop cured for a day, it was buffed and subsequently sealed with an acrylic sealer. Several coats of floor wax were then used to form a protective sacrificial layer. The floor turned out amazingly well and gave the home owner the exact look she was trying to achieve.