



SUPERCAP[®]

The Next Generation Slab[®]

PROJECT SPOTLIGHT



THE HEATHVIEW

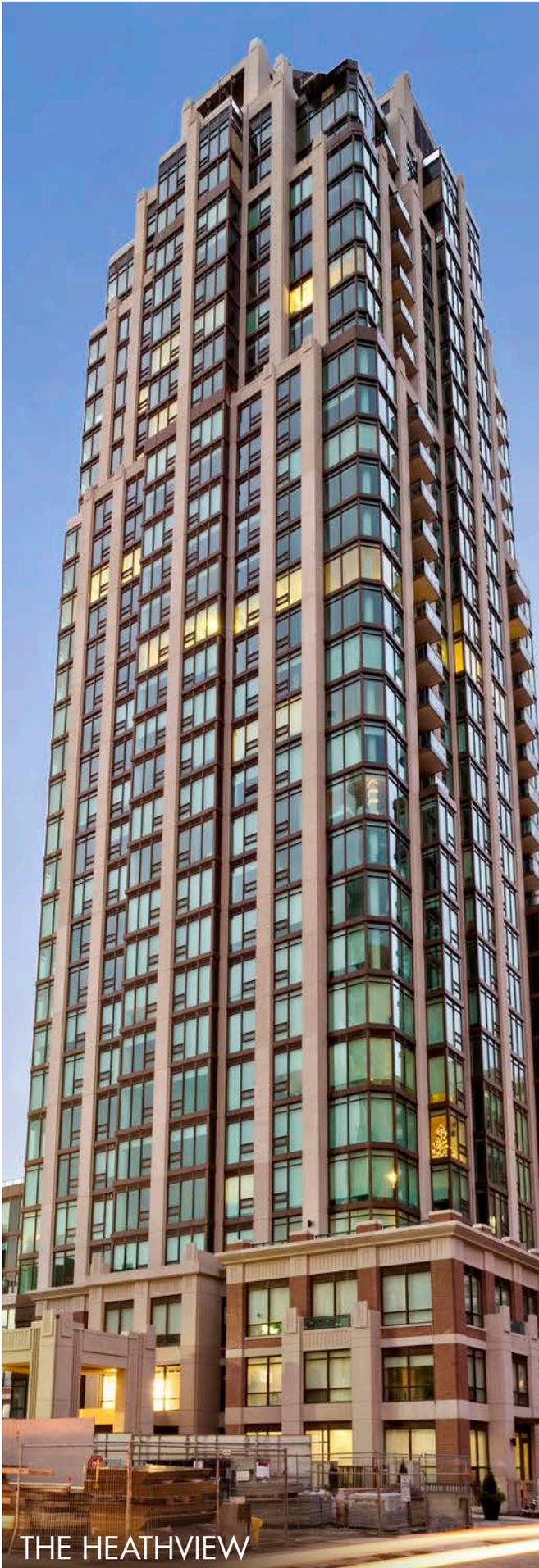
LOCATION
Toronto, Ontario

APPLICATOR
SUPERCAP Ontario, Ltd
Toronto, Ontario

OWNER
Tweedsmuir

GENERAL CONTRACTOR
PCL;
Toronto, Ontario

ARCHITECT
Page & Steele;
Toronto, Ontario



The City of Toronto has the second highest concentration of high-rise structures in North America and is quickly gaining a reputation as a vertical city. As more and more tall buildings are constructed in this world-class city, flooring underlayment application systems that can reach the highest floors have become increasingly important.

Located at 320 Tweedsmuir Avenue in the Forest Hill neighborhood near midtown Toronto, the Heathview is the newest addition to Toronto's ever-growing skyline. The 35 story skyscraper stands 30 floors above ground and stretches 334.65 feet (102 meters) towards the clouds. Construction of the postmodern skyscraper commenced in 2011 and is scheduled to end in late 2014.

While the Heathview's height may not be completely unique in Toronto, its approach to flooring is.

The Heathview is the first high-rise building in the Toronto to use of the LATICRETE® SUPERCAP® System. A system that allowed the developer, Morguard Corporation and general contractor PCL, to keep the project on schedule and install flooring in record time.

"With more than 30 floors to complete on a tight deadline, the Heathview needed a time-saving and cost-effective method to finish each floor," said John Forewell, Technical Sales Representative with LATICRETE SUPERCAP.

"The LATICRETE SUPERCAP System has a solid industry reputation and has been uniformly successful in similar projects across North America."

The LATICRETE SUPERCAP System is a method for finishing new concrete or capping existing slabs by combining a LEED-contributing, UL GREENGUARD Gold Certified, low-alkali, self-leveling, cement-based technology with a computer-controlled mobile blending unit (pump truck).

This proven delivery method provides benefits right from the start of concrete placement in division 3 and flows through to division 9. With the ability to blend 30,000 pounds (13,608 kilograms) per hour and deliver material up to 50 stories high, this revolutionary system benefits the entire project by providing predictable results that save time, money, and improve overall quality.

The installation of the LATICRETE SUPERCAP System at the Heathview was as straightforward as it was quick. During installation on the lower floors, SUPERCAP ONTARIO Ltd. ran flexible hoses up stairwells to deliver the underlayment. The ability to deliver the LATICRETE SUPERCAP product through a hard pipe is where the system truly shines. The hard-pipe delivery system had no trouble delivering underlayment to the 30th floor.



“The Heathview is the first LATICRETE® SUPERCAP® high-rise superstructure project in the Toronto downtown core, and the entire job went without a hitch,” said Bill Loveys of SUPERCAP ONTARIO Ltd. “We are especially proud of the way we could deliver this ground breaking product to the building’s highest floors.”

The Heathview is a 250,000 square foot (23,226 square meter) project. It took 18 mobilizations to reach each of the 35 floors. On many mobilizations, SUPERCAP ONTARIO Ltd. were able to completely pump material over two entire floor plates. In total 200,000 square feet of LATICRETE SUPERCAP with an average pour depth of over ½ inch (1.27 centimeters).

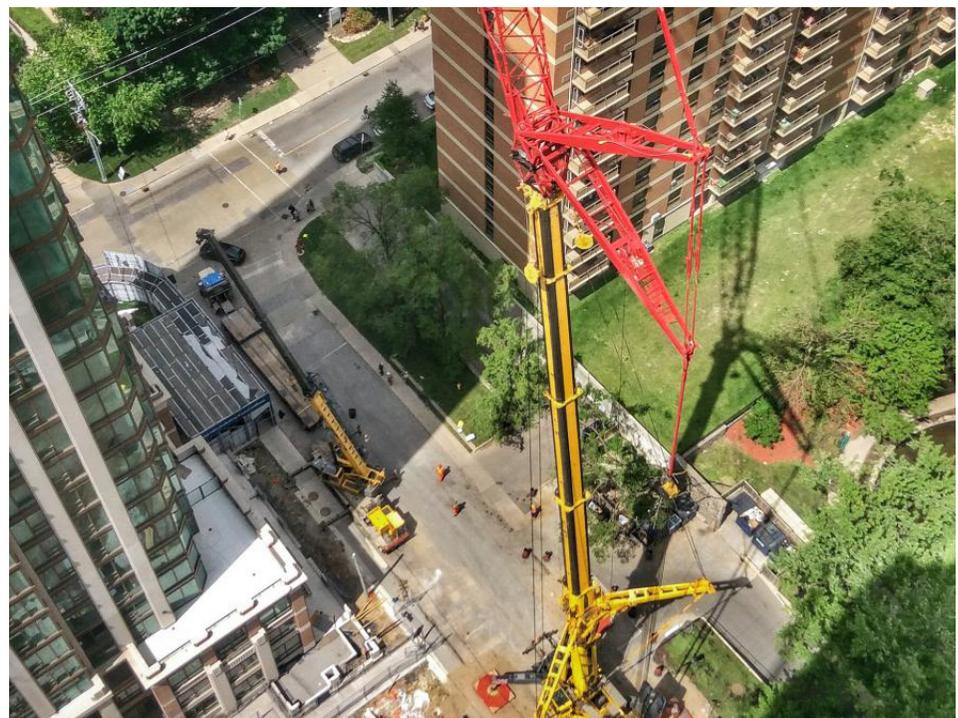
SUPERCAP ONTARIO Ltd. was able to complete one to two floors per mobilization. Mobilizations occurred every Thursday. The process involved a small crew arriving at the building site early to clean and prepare the rough, bull-floated, suspended concrete floors.

Once all the preparatory work was completed, the computer controlled mobile blending pump truck was brought on site to mix LATICRETE SUPERCAP

SC500 Concentrate, sand and water. The truck then pumped the LATICRETE SUPERCAP under-layment through hoses and the hard-pipe system directly to the relevant floors. The pump truck proved to be a critical part of the success factor of the LATICRETE SUPERCAP System as it was able to continuously blend up to 15 tons of the material per hour at street level.

Each of the Heathview’s floors had various degrees of deflection as is generally the case with suspended slab construction. Deflection occurs after the formwork and shoring have been removed. Then, due to the sheer weight of the concrete mass and other factors such as shrinkage during curing, the floors sag between their support columns. The LATICRETE SUPERCAP SC 500 being a highly flowable self-leveling material is ideal for quickly filling up the bellies of these deflected low areas in the floors.

LATICRETE SUPERCAP SC 500 dried quickly and was walkable within two hours of application. Its early and high compressive-strength allowed contractors to resume normal building operations the very next day.





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LATICRETE SUPERCAP, LLC
One LATICRETE Park North
Bethany, CT 06524-3423 USA
1.866.704.2247
+1.203.393.0010

www.laticretesupercap.com