



Message from Joe Hutter
Vice President Sales

King Construction Products Group

Our Quality Journey Continues

Over 15 years ago, King Packaged Materials Company began a journey that started with a company wide commitment to the principals of continuous improvement. This commitment was based on the philosophy that we can never be truly content with our level of quality and as long as we strive to improve all aspects of our business, our customers will ultimately benefit.

For the past several years, we have used the principles of ISO to drive our quality improvement program. Continued efforts to maintain our designation as an ISO 9001:2000 Registered Company have served as a vehicle to improve our level of customer satisfaction. To help take our quality commitment to the next level, King Packaged Materials has enlisted the services of The National Quality Institute, an independent organization that promotes global leadership through the adoption of management principles and practices that reinforce and sustain excellence. Simply put, The NQI vision is "To Inspire Organizational Excellence".

Our plan, as we move into the next decade is to adopt the NQI vision and instill their principles and practices within our organization, ensuring that our people continue to work towards the same goal of complete customer satisfaction. After 20 years of continuous improvement, the quality journey continues.



Jobsite Technical Challenge



MS Self-Consolidating Concrete

KING PACKAGED MATERIALS COMPANY, SRS RESTORATION AND BROWN AND BEATTIE LTD. WORK TOGETHER TO ADDRESS UNIQUE BALCONY REPAIR CHALLENGES IN THE HEART OF TORONTO.

The Tower Hill high-rise is located in the central part of the City of Toronto at Spadina Road and St. Clair Avenue. This 45 year old building stands 23 stories high and despite exposure to the continuous freeze/thaw cycles, had never had any significant structural repairs to the balconies. In 2006, it was determined that the building required extensive balcony repairs and renovations to other areas of the buildings exterior.

Representatives of the owners enlisted the services Brown and Beattie Ltd, a building science engineering firm with two locations in the GTA to evaluate the extent of damage to the building's balconies and prepare an action plan to repair the sections of damaged concrete. SRS Restoration Limited of Woodbridge Ontario was awarded the contract to undertake the building repairs and was immediately faced with some unique challenges.

Among the many typical challenges faced on a project of this type, SRS personnel had to develop a method to repair the damage to the underside of the balcony slab edges. The conventional option of through slab edge repair was eliminated because the balcony edges also supported an intricate pre-cast concrete facade.

After careful review and consultation with representatives of both Brown and Beattie and King, SRS technicians proposed the idea of drilling 2 inch (5 cm) ports from the top side of the balcony, through the slab, and into the void left after concrete removal. The underside of the slab was then formed and King MS Self-Consolidating Concrete was mixed and gravity fed from the top side of the slab. A steel funnel fabricated by the SRS crew was used to help facilitate the placement of the material into the ports.

The high slump flow of King MS Self-Consolidating Concrete allowed the material to completely fill the forms and encapsulate the reinforcing steel without vibration or the use of high pressure pumping equipment.

Follow up inspection and destructive examination by Brown and Beattie Ltd. verified that the King MS Self-Consolidating Concrete achieved the specified compressive strength and required bond to the existing concrete. The SRS Restoration crew used experience and ingenuity to overcome the challenges were able to complete the project on time and on budget.

Omar Del Medico
Technical Sales Representative

Client Testimonial

The King MS Self-Consolidating Concrete proved itself to be a versatile material. On this project it provided a practical solution to an unconventional repair, without compromise to the quality of work. We were able to

maintain the project schedule, which would have otherwise been difficult to achieve in a conventional manner. We continue to use this material on our other projects as conditions merit.

Brown & Beattie Ltd.
Jeremy Nixon, P.Eng., BSSO