

Shaw Centre service-corridors renovation

Ottawa, ON, Canada



Project Information

Project category:
Public Buildings/Places

Period of construction:
2009-11

Period of MAPEI involvement:
2020

MAPEI coordinator:
Justin Lafontaine

Project owner:
The Province of Ontario

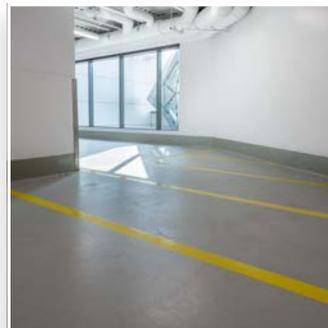
Contractor:
Jacques Lamont Ltd.

Photographer:
Olivier Gariépy



Project Overview

Products from MAPEI's Concrete Restoration, Tile & Stone Installation and Floor Covering Installation systems contributed to the reconstruction – completed in 2011 – of the original Ottawa Convention Centre, which was renamed the Shaw Centre in 2014. Knowing the quality of MAPEI's tested solutions, the province of Ontario reached out again in 2019 for assistance in renovating and upgrading the Shaw Centre's service corridors with a new industrial flooring solution.



Products Used

Mapecem® Quickpatch
Mapecem® Mapefloor™ EP 20
Mapecem® Mapefloor Finish 54 W/S
Mapecem® Mapefloor I 302 SL
Mapecem® Mapefloor I 900
Mapecem® Planitop® 18 ES
Mapecem® Primer SN™



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MAPEI Part II – Return for the resin

Prominently located in the nation's capital city, Shaw Centre bills itself as "Canada's Meeting Place" and proudly notes its 2012 LEED (Leadership in Energy and Environmental Design) Gold-certified reconstruction (when it was the Ottawa Convention Centre); this reconstruction featured a bevy of MAPEI products. In 2014, Shaw Centre had the distinction of being named one of the top three convention centers in the world by the International Association of Congress Centres (AIPC).

By 2019, the painted concrete floors of the complex's service corridors were getting worn down, so the Province of Ontario turned to MAPEI again for a solution. The 35,000-square-foot (3 252-m²) project covered portions of all four floors of the complex.

MAPEI on the job

Justin Lafontaine, MAPEI Business Development Manager for Eastern Canada, was able to demonstrate that MAPEI's *Mapefloor* resinous flooring solution could create a seamless, durable, slip-resistant surface that suited Shaw Centre representatives' needs perfectly. "We took them to visit a jobsite nearby where we'd installed a similar resinous floor, and that convinced them it was exactly the solution they wanted," Lafontaine explained.

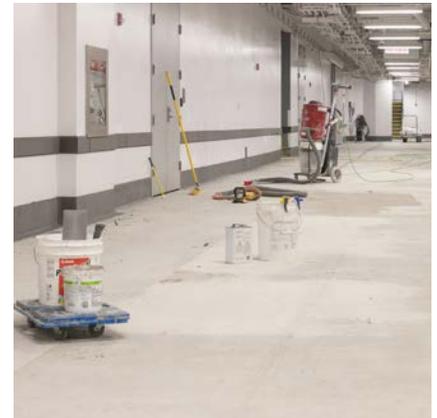
Surface-preparation requirements involved a variety of methods, including mechanical treatment (grinding of the chipped, painted

concrete slab), to bring the substrate up to Concrete Surface Profile (CSP) #3, per International Concrete Repair Institute (ICRI) specifications. To this end, in select areas of the four levels, installers from Jacques Lamont Ltd. made use of two products from the Concrete Restoration Systems line: **Mapecem Quickpatch** high-performance, cementitious patching material (for spot filling of significant imperfections) and 7,000 square feet (650m²) of **Planitop 18 ES** cementitious repair mortar with a corrosion inhibitor.

Mapefloor I 900 low-viscosity epoxy resin and **Mapefloor EP 20** epoxy binder were then applied over 6,000 linear feet (1 829 m) of edgework. This process was done to provide leveling and to enhance the adhesion of the main coating system to follow: **Primer SN** and **Mapefloor I 302 SL** epoxy resin using the multi-layer System 32 specification. The specification included adding a broadcast of #32 mesh quartz sand to create a durable and slip-resistant surface.

To complete the job, installers added a layer of **Mapefloor Finish 54 W/S** aliphatic polyurethane topcoat. This coating is specifically designed to provide a high-performance, semi-gloss finish (and one extra layer of protection against the salts and grit that get tracked in from boots and tires during the winter months).

The end result – a seamless, rugged, low-maintenance new surface for the convention center's service-corridor floors – met all expectations. Now, the



MAPEI Part II – Return for the resin

Shaw Centre has an easily cleaned and maintained floor with greater protection against such perils as abrasion, rolling loads, impacts and chemical agents. Regarding the constant setting up and tearing down of exhibits, at least one worry can be eliminated for the management of one of Canada's busiest convention centers.



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