

Simcoe Muskoka Regional Cancer Centre

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 the Simcoe Muskoka Regional Cancer Centre in Barrie, Ontario, MAPEI products were used for moisture mitigation, concrete repairs, surface preparation and flooring installation.



PROJECT INFORMATION

Project Category: Public Building - Hospital
 MAPEI Sales Rep: Jeff McCoppen
 Project Owner: Royal Victorial Regional Health Care Centre
 MAPEI Distributor: Durox
 General Contractor: Carillion Canada
 Architect 1: Perkin & Wills Architects
 Architect 2: Parkin Architects
 Tile Installer: The Belluz Group Ltd.
 Project Manager: Frank Belluz (The Belluz Group)
 Project Size: 365,000 square feet (33,910 square meters)



MAPEI PRODUCTS USED

- Planipatch/Planipatch Plus
- Mapecem Premix
- Ultraplan 1 Plus
- Primer WE and Primer L
- Planiseal EMB
- Planiseal Easy
- Ultrabond ECO 390 and ECO 360
- Kerabond/Keralastic
- Ultraflex 2
- Keracolor S
- Keracolor U



1-800-42-MAPEI (1-800-426-2734) www.mapei.com

Simcoe Muskoka Regional Cancer Centre - Barrie, Ontario

MAPEI products used throughout new cancer centre

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 the Simcoe Muskoka Regional Cancer Centre in Barrie, Ontario, MAPEI products were used for moisture mitigation, concrete repairs, surface preparation and flooring installation.

The concrete at the jobsite, as in many places today, still contained moisture when the Belluz Group crew arrived to do the flooring installations. Where the concrete slab was on grade and relative humidity (RH) was 90% or above, the Belluz crew used Planiseal EMB, a which reduces moisture vapor emission rates (MVERs) up to 25 lbs. per 1,000 sq. ft. (11,3 kg per 92,9 m²) per 24 hours to less than 3 lbs. (1,36 kg).

For 100,000 square feet of above-grade areas where there was still some moisture (75% RH), the crews used Planiseal Easy to reduce MVERs up to 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m²) per 24 hours (ASTM F1869) or up to 90% relative humidity (ASTM F 2170) to 3 lbs. (1,36 kg) or less.

Level floors are important throughout hospital facilities, but they are absolutely critical in diagnostic imaging areas like those at the Cancer Centre. MAPEI's Planipatch/ Planipatch Plus was first applied over the moisture mitigation products to patch smaller voids in the floors, while Mapecem Premix was used to re-fill troughs that were dug out



for wiring or plumbing fixtures. Once the surface was prepared to this point, the Belluz crews poured Ultraplan 1 Plus flowable self-leveling underlayment to level the floors.

Linoleum and sheet vinyl flooring are often used in hospitals to minimize the potential for pathogen entrapment in patient areas. At the Cancer Centre, the Belluz crews installed more than 250,000 square feet of linoleum using MAPEI's Ultrabond ECO 390 adhesive, a newly formulated adhesive specifically designed for the linoleum flooring. The installers set the linoleum first and then cut out the designs and inlaid contrasting colors.

In the diagnostic imaging rooms, the crews installed static dissipative flooring in sheet goods form. For these rooms with their heavy loading from the diagnostic equipment, Ultrabond ECO 360 was used. With its strong, durable, moisture-resistant and alkali-resistant bond, this



adhesive is ideal for commercial and institutional applications.

In visitor areas, waiting rooms, and patient bathrooms, the Belluz crew installed tile and stone on walls and floors, using MAPEI's the Kerabond/Keralastic mortar system and Ultraflex 2 mortar, and grouted with Keracolor S and Keracolor U grouts.

of the culture of Ontario."