## **Epoxy Flooring**

## A Slip- and Impact-Resistant Flooring System

**Market: Institutional** 

Project: The Université de Montréal's Main Wing

Products: Sikafloor® 261<sup>CA</sup> – Systems 5 and 6

Challenge: To replace a delaminated, coloured, quartz floor installed 30 years ago

Solution: A slip-, impact- and delamination-resistant flooring system

# Long-lasting change, at long last: When a face-lift is much more than cosmetic.



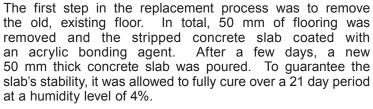
The trademark, worn, coloured quartz floor in the Université de Montréal's main wing had definitely seen better days: it had admirably borne the traffic of countless students, but thirty years of constant use had left its mark.

The quartz, set on slate tiles which in turn had been installed over a concrete slab over a bed of sand, had greatly deteriorated. The multiple layers were beginning to delaminate and holes had started to appear in the floor.



Sika was asked to intervene and offer a solution. The objective was clear: to create a shock-absorbent, delamination-proof, slip-resistant floor surface able to withstand heavy traffic and heavy loads for years to come.

#### Sikafloor® 261 to the rescue.





Once this stage was completed, Sikafloor® 261<sup>CA</sup> - Systems 5 and 6 were installed. The first step involved applying a self-levelling top coat, followed by a coat of Sikafloor® 2003 to create a slip-resistant finish. The final stage consisted of filling the control joints with Loadflex®, a load-bearing, self-levelling, control-joint filler.

#### The main wing has never looked better.

To the delight of the university's administration, the Sikafloor® 261 System still looks great more than 18 months later. Neither the thousands of students which crowd the area nor the heavy equipment which rolls across its surface every day have gotten the better of the Sikafloor solution!



## **Products Used:**

### Sikafloor® 261<sup>CA</sup> - System 5

A leading-edge technology, self-levelling, smooth surfacing material, 2 - 4 mm (80 - 160 mils) thick, which produces an aesthetic, high gloss, seamless floor. The System offers:

- Good chemical resistance
- A superior aesthetic finish
- Durability and a water-proof, seamless finish
- Ease of cleaning and maintenance, for a cleaner and healthier environment

#### Furthermore, it:

- Does not support growth of bacteria or fungus
- Has a neutral odour
- Is available in an unlimited array of colours, with no minimum quantity required
- Is approved by the Canadian Food Inspection Agency (CFIA) and the United States Department of Agriculture (USDA)

## Sikafloor® 261<sup>CA</sup> -System 6

A 3 - 6 mm (120 - 240 mils) thick, leading-edge technology mortar screed, used to produce an aesthetic, solid-coloured, seamless floor. It offers:

- Superior mechanical resistance
- High abrasion and impact resistance
- Good chemical resistance
- An aesthetic finish
- Durability and a water-proof, seamless finish
- Ease of cleaning and maintenance for a cleaner and healthier environment

#### Furthermore, it:

- Does not support growth of bacteria or fungus
- Has a neutral odour
- Is available in an unlimited array of colours, with no minimum quantity required
- Is approved by the CFIA and the USDA

## **Additional Products Used:**

### Sikafloor® 2002/ Sikafloor® 2003

Sikafloor® 2002/Sikafloor® 2003 is a gloss or satin-finish, clear epoxy top coat which provides an abrasion-, shock- and chemical-resistant finish. The top coat is:

- Durable
- Water-proof
- Approved by the CFIA

#### It offers:

- Superior mechanical and chemical resistance
- Superior aesthetic finish
- Ease of maintenance
- Fade resistance

#### **Loadflex®**

An epoxy-urethane, self-levelling joint filler for interior, horizontal, sawed or preformed control joints. This product:

- Is a hard, load-bearing sealant designed to withstand industrial traffic
- Provides for even load transfer across floor joints, thereby protecting joint edges from breakdown
- Seals joints and protects them from collecting dirt, dust and debris
- Is easily installed by pouring or gunning
- Provides for the excess material to be shaved off smooth as early as 12 hours after installation
- Is approved by the CFIA



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