

Epoxy Floor

Smooth, High-Gloss, UV Light- and Abrasion-Resistant System

Marketplace	Derma-pharmaceutical
Projet	Laboratoire Dr. Renaud, Manufacturing Plant, Laval, Quebec
Product	Sikafloor® 261 ^{CA} – System 1
Challenge	Create an aesthetic finish, in accordance with a highly stylized design concept
Solution	A low-viscosity flooring system to create a smooth, high-gloss finish

Sika to the rescue... of a design concept



When Laboratoire Dr. Renaud, a Quebec manufacturer of skin-care products, went shopping for a contractor to build their new Laval, Quebec manufacturing plant, they envisaged a turn-key project. Their search led them to the Groupe Montoni, Division Construction Inc., a Montreal-based contractor known for the quality of their work and highly personalized service. Montoni would manage the entire project and deliver a top-quality building, true to the previously agreed-upon design.

About two-thirds into the project, a serious problem was encountered when the applicator responsible for the installation of the administrative offices flooring was unable to deliver a design-consistent floor finish. The foreman, at his wits end, contacted Sika Canada Inc.



A deal is a deal

Having concluded that the existing flooring was beyond repair, an alternative solution was proposed by the Sika representative: the Sikafloor® 261^{CA} - System 1 – a leading-edge flooring technology product.

The two-part, low-viscosity epoxy-resin binder possessed exactly the qualities required to create the smooth, glossy finish specified in the design and would accept a top-coat application of Sikafloor® Polythane UV®, a UV-resistant coating to guard against yellowing. Even so, the Sika representative was absolutely insistent upon the need to entrust the work to a qualified applicator, experienced in the application of Sikafloor® epoxy flooring products.



Once the old flooring material was completely removed and the concrete substrate carefully prepared and cleaned, a first coat of white-tinted Sikafloor® 261^{CA} was applied. When dried, a second coat was applied to achieve a coating thickness of between 20 and 30 mils. Lastly, a coat of Sikafloor® Polythane UV® was applied to protect the floor against the yellowing effects of UV light, accentuate the glossy finish and render the floor chemical- and abrasion-resistant.

It goes without saying that today, when the Groupe Montoni is asked to install a high-quality epoxy floor, they immediately ask for Sika products and Sika-trained applicators. And as for Laboratoire Dr. Renaud, management was so pleased with the administrative offices that they've scheduled the Sika applicator for a return visit to install Sikafloor® 261^{CA} in their laboratory.

Construction

Sika®

Products Used

Sikafloor® 261^{CA} - System 1

A leading-edge technology, low-viscosity, self-priming, epoxy-resin floor and wall coating system which makes it possible to create a 20 to 30 mils-thick, smooth, high-gloss, aesthetic, solid-coloured finish.

- Good mechanical and chemical resistance
- Glossy aesthetic finish
- Durable, impermeable and seamless
- Easily-cleaned and maintained
- Does not support growth of bacteria or fungus
- Neutral odour
- Unlimited colours, no minimum required
- Canadian Food Inspection Agency acceptance/United States Department of Agriculture acceptance

Complementary Products

Sikafloor® Polythane UV®

A two-component, clear or coloured aliphatic polyurethane coating specifically formulated to provide high abrasion- and UV-resistance. It offers:

- High resistance to abrasion and yellowing
- Good chemical resistance to alkalis, some solvents and moderate-strength acids
- Easy maintenance
- Hard yet flexible film
- Availability in decorative colours
- Convenient mixing ratio 2:1
- Excellent mar-resistance
- Improved impact-resistance
- High gloss- and colour-retention on exterior surfaces
- UV light resistance
- High wear properties
- Good stain-resistance



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