



constructive solutions

CASE STUDY

High performance waterproofing for UQ's Herston campus

Herston, Queensland

CUSTOMER: Queensland pharmaceutical factory
APPLICATOR: HAG Industrial Coatings
SECTOR: Pharmaceutical
DATE: 2024

PRODUCTS

- Nitoflor FC150 HPSSL
- Nitomortar 903



A durable, high gloss epoxy coating was required to upgrade the flooring in this busy pharmaceutical factory. Nitoflor FC150 HPSSL offered application versatility plus high resistance to chemical attack and abrasion.

THE PROJECT

When experienced applicators at HAG Industrial Flooring were tasked with replacing a tired vinyl floor in a hard-working pharmaceutical factory, they required a product that would achieve a durable, hygienic and smooth, glossy finish.

The removal of the old vinyl floor had revealed an irregular surface, which needed to be resolved with the application of the new coating.

The asset owner wanted a join-free solution that was resistant to chemical and bacteria attack and that would clean easily. There was also a colour requirement, with bright blue being the preference.

THE SOLUTION

The project included coating internal laboratory surfaces as well as enclosed perimeter walkways. There were also several wet areas. A key benefit of Nitoflor FC150 HPSSL is that it can be used for both self levelling and roll coat applications. This meant that the product could be used across the entire project.

Step 1: After removing the old vinyl flooring, the concrete surface was cleaned and ground back to ensure a sound, clean, dry substrate.

Step 2: The floors were primed with Nitomortar 903 to provide early development of initial hardness.

Step 3: Nitoflor FC150 HPSSL (self leveller application) was mixed and poured. Spike rollers and gauge rakes were used to ensure an even application and eliminate air bubbles.

Step 4: Nitoflor FC150 HPSSL (roll coat application) was mixed and anti-slip grains added before application by brush and roller to wet areas.

Nitoflor FC150 HPSSL can be tinted using Nitoflor Colour Pots. For this project, the selected colour was Harbour Blue.

THE BENEFITS

Nitoflor FC150 HPSSL offers the following benefits:

- Diverse application: self-levelling or roll coat
- Slip-resistance with the addition of Nitoflor Anti-Slip Grains
- Capable of withstanding heavy traffic
- Smooth, high gloss, hygienic finish
- Easy to apply and maintain
- Resistant to abrasion and many industrial chemicals
- Cleaner to use, with no requirement to add or mix additional fillers on site
- RCS-hazard free

AU 1800 812 864
fosroc.com.au

NZ 0800 657 156
fosroc.co.nz

Parchem Construction Supplies Pty Ltd
1956 Dandenong Rd, Clayton VIC AUS 3168

Concrete Plus Ltd
150 Hutt Park Road, Gracefield, Lower Hutt NZ 5010

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