

Warehouse Storage Facility

Taupō, New Zealand

SPECIFIER Fosroc ANZ & SW Crete
APPLICATOR SW Crete
SECTOR Industrial
DATE 2025

PRODUCTS

Nitofill LV
 Nitomortar 903
 Nitomortar F4 Fillers
 Nitoseal PU400
 Nitoflor FC150 HP-SL
 Nitoflor FC150 HP-SL colour pots in silver grey and light grey



Expert product training underpins excellent outcome for warehouse storage facility floor

THE PROJECT

In the New Zealand town of Taupō, a 550 sqm concrete warehouse storage facility floor required a complete remediation to ensure it was durable, crack-free and fit for purpose to store heavy machinery and shelving. A tight timeline and low temperature considerations were factors influencing the project.

THE SOLUTION

The Fosroc team worked with applicators SW Crete and the asset owner to understand the project requirements, application conditions and preferred timings, before recommending a tailored specification.

The recommended system comprised:

- Nitofill LV
- Nitomortar 903
- Nitomortar F4 Fillers
- Nitoseal PU400
- Nitoflor FC150 HP-SL
- Nitoflor FC150 HP-SL colour pots in silver grey and light grey

The following steps were followed to remediate the warehouse storage facility floor:

- Step 1:** Cracks were cleaned up and the concrete surface was ground back to ensure a sound, clean, dry substrate.
- Step 2:** Cracks were filled with the Nitofill LV crack injection system and joints sealed with Nitoseal PU400.
- Step 3:** The floor was primed with Nitomortar 903 and Nitomortar F4 Fillers to provide early development of initial hardness.

Step 4: Nitoflor FC150 HP-SL was mixed and poured as a high build epoxy coating. Spike shoes were used to ensure uniform application and achieve a flawless, professional grade finish. Nitoflor FC150 HP-SL colour pots in silver grey and light grey achieved the desired aesthetic.

The SW Crete team undertook an initial 100 sqm of the floor to ensure optimal results, before completing the remaining 450 sqm.

Fosroc representatives were on site to support with application tips and advice on temperature control and curing times.

THE BENEFITS

The recommended system offered the following benefits:

- Nitofill LV – this high strength, low viscosity resin injection system is non-shrink, and adheres with no loss of bond to provide convenient, cost effective and efficient repairs
- Nitomortar 903 + Nitomortar F4 Fillers – this combination created an effective and durable epoxy concrete repair mortar
- Nitoseal PU400 – this medium modulus elastomeric polyurethane joint sealant/adhesive forms a waterproof and durable seal and is ideal for trafficable floor joints
- Nitoflor FC150 HP-SL – capable of withstanding heavy traffic and RCS-hazard free, this high build epoxy coating is very durable, with a cure strength of 65MPa. Its fast dry time was also an advantage



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