



constructive solutions

APPLICATOR PM Industries
SECTOR Manufacturing
LOCATION Perth, WA
DATE 2025

PRODUCTS

- Nitomortar 903
- Nitomortar F4 Fillers
- Nitoflor PA
- Nitoflor Anti-Slip Grains 02



A busy food processing facility in Perth required remediation and repair for heavily damaged concrete floors in both its production areas and front-of-house showroom.

THE PROJECT

These floors had sustained extensive wear from heavy machinery, constant foot traffic, sticky spills, and rigorous cleaning, creating a need for a robust, long-lasting solution that would ensure safety, hygiene, and operational efficiency.

Fosroc worked closely with the facility's asset owners and applicators to identify a flooring system capable of restoring the floors to a fit-for-purpose standard.

THE SOLUTION

The chosen solution combined Fosroc's Nitomortar 903 with Nitomortar F4 Fillers to level and repair the substrate, followed by a durable Nitoflor PA topcoat enhanced with Nitoflor Anti-Slip Grains 02.

The application process involved:

- Step 1: Shot-blasting the floors to create an open, porous surface.
- Step 2: Priming with Nitomortar 903.
- Step 3: Mixing Nitomortar 903 with Nitomortar F4 fillers to produce a flowable screed and applying it evenly across the floor.
- Step 4: Using a diamond grinder after curing to smooth high spots.
- Step 5: Applying two coats of Nitoflor PA with Nitoflor Anti-Slip Grains 02 to create a slip-resistant, chemically resistant finish.

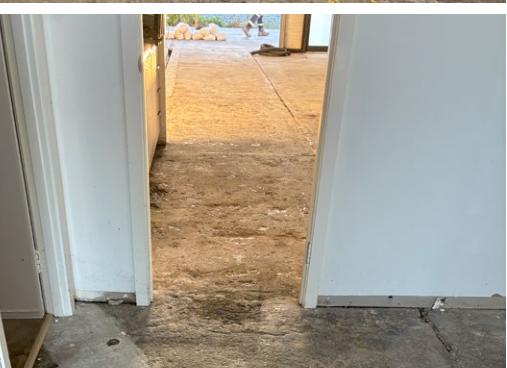
About the products:

- **Nitomortar 903:** Solvent-free epoxy resin binder with fast initial hardness development, resistant to acids, alkalis, and industrial chemicals, achieving up to 90 MPa compressive strength.
- **Nitomortar F4 Fillers:** Cleaned, dried graded silica sand used to create a durable concrete repair screed.
- **Nitoflor PA:** Two-component, solvent-free polyaspartic coating that is abrasion, chemical, and UV resistant, offering fast curing and convenient mixing.
- **Nitoflor Anti-Slip Grains 02:** Provides effective slip resistance in demanding environments.

THE BENEFITS

This Fosroc system delivered a long-lasting, hard-wearing floor suitable for heavy-duty food production areas. The combination of Nitomortar 903 with F4 fillers provided a robust repair layer, while Nitoflor PA with Anti-Slip Grains 02 ensured a safe, slip-resistant surface that can withstand chemical exposure and ongoing operational demands.

The floors now offer a durable surface that supports efficient facility operations. Both the asset owner and applicators reported outstanding results, noting that the transformation enhanced the overall value and functionality of this food processing asset.



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 NZ 5010

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