



constructive solutions

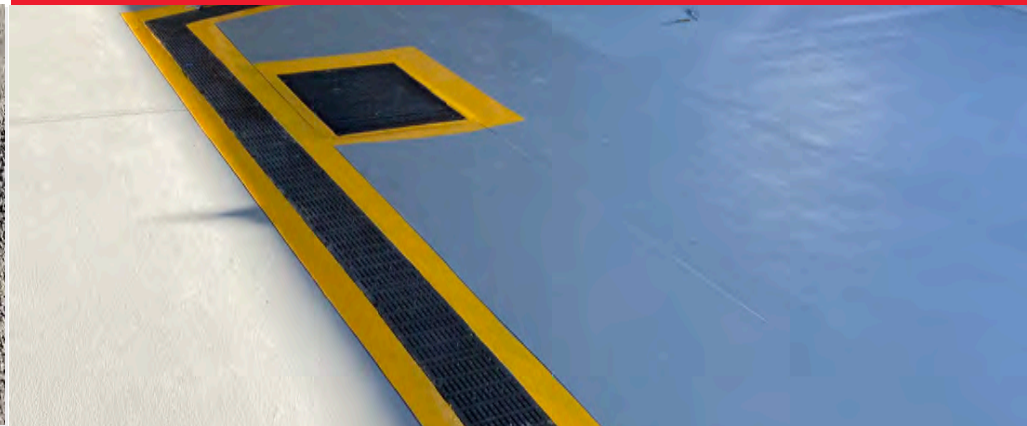
CASE STUDY

# Dandenong Market

## Melbourne, Victoria



Before



CUSTOMER City of Greater Dandenong  
CONTRACTOR ASCOAT Contracting  
SECTOR Local government & retail  
DATE June 2021

### PRODUCTS

- Nitoflor N
- Nitomortar F4 Fillers
- Nitoflor PU200
- Nitoseal SC600
- Nitoflor PA



Re-profiling to correct falls to drains.



Joints re-cut and caulked.

## Fosroc ANZ's durable Nitoflor range proved the ideal choice to resurface Dandenong Market's damaged concrete waste area floor.

### THE PROJECT

One of the oldest markets in Melbourne, Dandenong Market is a thriving hub of shoppers and traders attracting more than 5 million visitors per year. Due to severe erosion, the City of Greater Dandenong needed to resurface the market's concrete waste area. The existing slab was only ten years old but had badly eroded due to the acids formed by food waste.

This relatively small project came with a high degree of difficulty, taking place in an operating market and sharing access with a busy supermarket.

Fosroc ANZ thoroughly assessed the waste area before providing a comprehensive product specification. Our industrial flooring specialists also uncovered that the area's falls to drains weren't working, which was resulting in acid pooling causing the concrete erosion to accelerate.

The council chose ASCOAT Contracting to repair and resurface the waste area, with long term durability its top priority.

### THE SOLUTION

Armed with Fosroc ANZ's product specification, ASCOAT Contracting got to work. First, the surface of the concrete was high pressure water blasted to remove waste solids, then scabbled to produce a sound surface to bond to.

Concrete reinstating was next, as well as correcting the falls to drains, which involved profiling the area so it drained properly. Nitoflor N with Nitomortar F4 Fillers was applied to create a chemically resistant mortar screed at a 5mm trowel finish, then a non-slip texture top coat of Nitoflor PU200 was applied.

Finally, joints were re-cut and caulked with Nitoseal SC600 and colour safety lines were marked using Nitoflor PA.

### THE BENEFITS

All five specified products provided the waste area with excellent chemical resistance.

- Nitoflor N – the 'star' of the specification, this two-part, solvent free novolac epoxy floor coating is ideal for acid proofing, offers high resistance to aggressive chemicals plus excellent wear and abrasion resistance.
- Nitomortar F4 Fillers – added to Nitoflor N, this graded silica sand product helped create a chemically resistant mortar screed.
- Nitoflor PU200 – this low odour, low VOC cementitious polyurethane top coat provided a fast curing, hard wearing, chemically resistant anti-slip texture for the final coat.
- Nitoseal SC600 – this joint sealant not only copes with movement, but is highly resistant to a wide range of chemicals, including strong acids.
- Nitoflor PA – this UV and abrasion resistant top coat was used for the safety lines and offered added chemical resistance plus fast cure time.

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