

Forrestdale Battery Recycling

Perth, WA

CUSTOMER Enecell Resource Recovery Solutions

APPLICATOR M & S Painting

SECTOR Industrial

DATE 2024

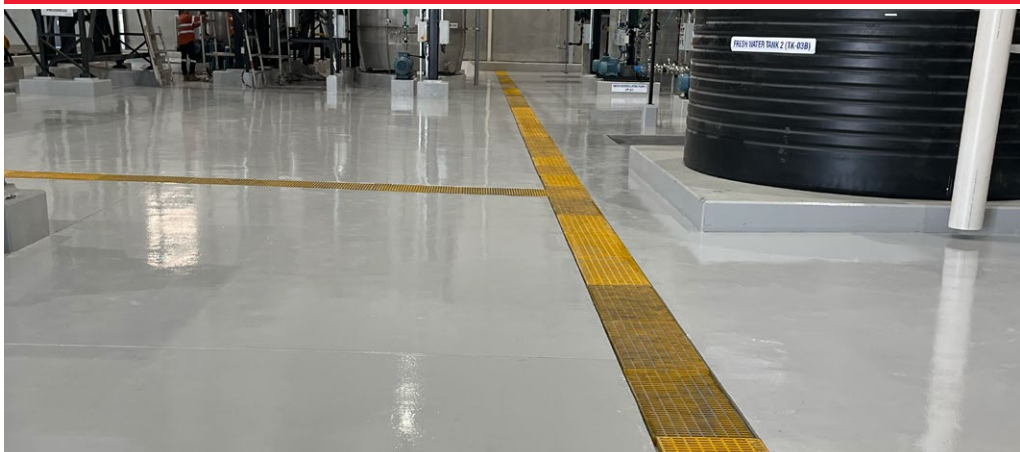
PRODUCTS

Nitomortar 903

Nitocote EP410

Nitoflor N

Nitoflor Anti Slip Grains 02



Durable, chemical-resistant coatings for lead battery recycling facility

THE PROJECT

At Enecell Resource Recovery Solutions in Perth's south east, a durable protective coatings solutions was required for the concrete floors, pedestals and drainage areas in this brand new battery recycling facility.

Coatings needed to be resistant to harmful chemicals including lead and sulphuric acid. And with Enecell's strong focus on safety and compliance, it was vital that the solution followed correct specification and application.

THE SOLUTION

Professional flooring applicators M & S Painting tackled two sections of the facility - one smaller, low-traffic area behind machines, boundary walls and sumps and a larger area that required protection from high traffic.

M & S Painting applied a tailored process to each section. Substantial preparation of the substrates was completed by the builder, Castleross Construction:

105 sqm of concrete floor and pedestals

Step 1: Preparation: diamond edge grinding, pressure washing, vacuuming and clean-up

Step 2: Apply one coat of Nitomortar 903

Step 3: Apply first coat of Nitocote EP410 (in grey)

Step 4: Apply second coat of Nitocote EP410

1224 sqm of concrete floor, pedestals and drainage area

Step 1: Preparation: pressure washing, vacuuming and clean-up

Step 2: Apply one coat of Nitomortar 903

Step 3: Apply first coat of Nitocote EP410 (in grey)

Step 4: Apply second coat of Nitocote EP410 with Nitoflor Anti Slip Grains 02

Step 5: Apply first coat of Nitoflor N

Step 6: Apply second coat of Nitoflor N

Where required, Fosroc's Conbextra cementitious grout was used during the preparation phase, and also formed part of the system.

THE BENEFITS

Fosroc's tailored protective flooring system delivered Enecell Resource Recovery Solutions the long-term durability and safety performance essential for a specialist battery recycling facility, including:

- Proven chemical resistance against sulphuric acid, lead, and other aggressive substances associated with lead-acid battery recycling
- Robust barrier protection on high-traffic concrete floors, pedestals, and drainage areas
- Excellent wear and abrasion resistance, supporting a safe and compliant working environment
- Slip-resistant surfaces to enhance worker safety in wet or spill-prone zones
- Reduced maintenance requirements thanks to hard-wearing epoxy and novolac coatings
- Confidence and peace of mind through Fosroc's full product range and expert on-site technical support

Confirming the project's success, applicator Muk Hussain from M & S Painting described the flooring result as "rock solid."

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