



CASE STUDY

PROK Engineering Manufacturing Facility

Overview

PROK, a leading engineering manufacturer specialising in rollers, pins, and conveyor system components for the mining industry, recently relocated into a larger manufacturing facility in Ingleburn, NSW.

The existing concrete floors within the facility had previously been exposed to heavy engineering use and contained widespread hydraulic oil contamination across multiple areas. The client required a durable, easy-to-maintain flooring solution that would improve light reflectivity within the workspace while also clearly defining forklift traffic zones for operational safety.

To achieve this, A&I Coatings' Endurafloor RC system was selected and installed across approximately 3,000m² of flooring over a staged three-week installation program.

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Project Details:

- Project Name: PROK Engineering Manufacturing Facility
- Location: Ingleburn, Sydney NSW
- Completion Date: 2025
- Applicator: Sydney Epoxy Flooring
- A&I Coatings System Used: Endurafloor RC

Project Challenges/Scope Of Works:

- Approximate Area: 3,000m²
- Existing concrete floors were aged and heavily worn from previous engineering operations
- Multiple areas of the slab were saturated with hydraulic oils and contaminants
- The facility required minimal disruption during the relocation process
- Forklift traffic areas needed to be clearly identified and separated from work zones
- The customer required a light-reflective, hard-wear

Coating Solution:

Products Used

- Enviroset 4001 Primer
- Enviroset 4110 – Smooth Finish
- Enviroset 4113 – Stipple Finish

Why This System:

- Excellent adhesion to oil-affected concrete substrates
- Durable epoxy coating system suitable for heavy industrial traffic
- Light-reflective finish improves workplace visibility
- Easy to clean and maintain
- Seamless finish reduces dirt and dust build-up
- High chemical resistance for engineering and manufacturing environments
- Economical solution for large floor areas

Project Execution:

- Existing concrete slabs were mechanically prepared through diamond grinding to achieve a CSP 2-3 profile
- Oil-contaminated areas were treated using industrial degreasers and extraction equipment
- Oil-affected sections were primed with Enviroset 4001 to ensure optimal adhesion
- Endurafloor RC epoxy flooring system was then applied using conventional roller and brush methods
- N35 Light Grey was installed throughout work areas to maximise light reflectivity
- Jade Green was applied within designated forklift traffic zones
- Yellow line marking was installed to clearly delineate traffic movement and operational areas
- Installation works were completed over a three-week period in three separate stages, allowing sections of the facility to remain operational during the factory relocation

Results & Benefits:

- Improved brightness and light reflectivity throughout the facility
- Durable and hard-wearing flooring solution suitable for industrial operations
- Clearly defined traffic and pedestrian zones improved workplace safety
- Easy-clean seamless flooring system reduced maintenance requirements
- Enhanced overall appearance and professionalism of the manufacturing facility
- Minimal operational disruption achieved through staged installation works

Outcome:

The completed flooring project delivered PROK a clean, professional, and highly durable industrial flooring solution tailored to the operational demands of their new manufacturing facility. By combining effective surface preparation, oil contamination treatment, and the installation of the Endurafloor RC system, the project successfully transformed an aged engineering floor into a modern, light-reflective workspace designed for long-term industrial performance. All works were completed by Sydney Epoxy Flooring, a trusted and experienced installer of A&I Coatings systems.





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