



constructive solutions

The Marketplace

Lidcombe, NSW

CUSTOMER SECTOR

Built Constructions
Buildings

PRODUCTS

- Fosroc Proofex Engage
- Fosroc Proofex Engage accessories



Proofex Engage awaiting reinforcing steel

THE PROJECT

The existing Lidcombe Power Centre retail space in western Sydney transformed into The Market Place shopping centre as part of \$120 million redevelopment. The new centre opened in June 2015 to cater for an expected 160,000 shoppers, and will be home to new tenants including Woolworths, Aldi and K-mart together with existing tenants such as Anaconda. The redevelopment included major renovations including installation of new lifts.

There were several key requirements for this project:

To keep the below-ground lift pit structure completely dry from ground and surface water

To prevent moisture, and contaminates entering the structure, which could lead to degradation of structural building elements through corrosion or other mechanisms).

THE SOLUTION

Fosroc Proofex Engage was the ideal solution for this project, meeting the project requirements and addressing all site specific issues.

The contractor used 90m2 of Fosroc Proofex Engage to waterproof the lift pit. The membrane was placed over the lift pit slab and walls by hand and then detailed using compatible jointing ancillaries. Reinforcing steel was then set in place, with the lift pit concrete floors and walls poured directly over the membrane.

The unique mesh design of Fosroc Proofex Engage gives a permanent tenacious mechanical bond to freshly placed concrete. This bond is not dependent on any chemical reaction and can be assured each time concrete is cast. The heavy duty mesh design and properties result in a robust, proven membrane which is ideally suited for onsite conditions.

THE BENEFITS

- Fosroc Proofex Engage is installed rapidly with no need for blinding concrete, priming or protection and can be trafficked immediately after application, saving time and labour costs
- Fosroc Proofex Engage provided an integral bond to concrete walls and floors of the lift pit, ensuring complete waterproofing integrity even if settlement occurs, eliminating the damage, disruption, and cost of a waterproofing breach.
- Fosroc Proofex Engage also protected the structure against harmful contaminates, and gases found within groundwater that could lead to degradation of structural building elements, resulting in costly and disruptive rectification works.

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