



QUT Fire Sprinkler Tank



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WORKS COMPLETED:

May 2012

CLIENT:

PHP Plumbing and QUT

LOCATION:

Brisbane CBD, Queensland

PRODUCT COVERAGE:

720sqm @ 2mm

TYPE OF CONTRACT:

Material supply & application

CONTACT:

PHP Plumbing

CONTRACTOR:

PHP Plumbing Pty Ltd

PRODUCT USED:

VersEseal Quickset & Rapid Build

Queensland University of Technology (QUT) is a highly successful Australian university with an applied emphasis in courses and research.

The main campus, Garden's Point, is based in Brisbane city nestled on the outskirts of the Botanical Gardens and the Brisbane River. The university is home to 42,000 students, including 6000 international scholars.

PHP Plumbing were engaged by The Queensland University of Technology to apply a specified VersEseal coating to several fire sprinkler water supply tanks in their new science and technology building totalling 720sqm in surface area. The concrete floor and walls of the tanks consisted of many penetrations, z-bolt holes and construction joints.

PHP Plumbing engaged LRM Products contractors to undertake all supply and install work for the coating of the reservoir. This involved using LRM Products' VersEseal Quickset and Rapid Build products to waterproof the tanks against leaks. The LRM Products' Rapid Build was used in conjunction with geotextile fabric to repair and seal the tanks construction joints as well as floor to wall joints. The LRM Products Quickset was then progressively applied, using an airless spray pump, to coat parts of the concrete floor and all the tank walls to provide a final waterproof seal.

The final product provided the client with a completely waterproof, durable and highly flexible membrane that is far superior in comparison to competing products due to its excellent adhesion and elastomeric properties for the concrete floors and walls.

VersEseal Quickset and Rapid Build offered PHP Plumbing and QUT the following distinct advantages over competing products:

- Excellent adhesion to dated concrete surfaces
- Excellent resistance to temperature variations
- Excellent sealing properties (leak proof)
- Efficient and short application time (per m²) and short curing time
- Reduction in tank downtime (during and post application)
- Environmentally friendly, non toxic with no VOC's
- Certified to AS/NZS 4020:2005 for Potable Water
- Excellent elongation and recovery properties (over 850%)



AS/NZS 4020:2005 | SS210 Certified



SCI QUAL
INTERNATIONAL

JAS-ANZ



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Version: 27/04/16

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