



Gold Coast Water





WORKS COMPLETED:

1 x Reservoir (2.5 Megalitres)

CLIENT:

Gold Coast Water

LOCATION:

Bonogin, Queensland

PRODUCT COVERAGE:

660sqm @ 2mm

TYPE OF CONTRACT:

Material supply & application

CONTACT:

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CONTRACTOR:

Alder Construction Pty Ltd

PRODUCT USED:

VersEseal QuickSet & Rapid Build

Gold Coast is the largest water distributor-retailer in south east Queensland and operates more than \$4b in assets, including 108 reservoirs, 822 pump stations and over 12,000km of pipelines.

Alder Construction Pty Ltd was engaged by Gold Coast Water to apply a specified LRM Products' VersEseal coating to a 2.5 million litre capacity reservoir in Bonogin South totalling 660sqm in surface area. The concrete floor and walls of the reservoir consisted of over 2000 mini fissures and major cracking in parts which had resulted from poor concrete quality used at the time of the reservoir's construction. This of course necessitated repair using a highly adhesive & elastomeric coating.

Alder Construction engaged LRM Products to undertake all supply and install for the coating of the reservoir. This involved using LRM Products' VersEseal Quick Set and Rapid Build specifications to waterproof the reservoir against 300 separate leaks. The VersEseal Rapid Build specification was used in conjunction with geotextile fabric to repair and seal the reservoir's construction joints as well as floor to wall joints. VersEseal Quick Set specification was then progressively applied (using an airless spray pump) to coat parts of the concrete floor and all the reservoir walls to provide a final waterproof seal. In addition, a topcoat (Elostoseal TR) was used to provide higher visibility for maintenance divers.

The final product provided the client with a completely waterproof, durable and highly flexible membrane strong enough to eradicate the potential of any future leakage. This solution is far superior in comparison to competing products due to its excellent adhesion and elastomeric properties for the concrete floors and walls.

VersEseal Quick Set and Rapid Build offered Gold Coast Water and Alder Construction 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 reservoir 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



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