



Wesfarmers Curragh Mine



**WORKS COMPLETED:**

November 2013

CLIENT:

Wesfarmers Curragh Pty Ltd

LOCATION:

Blackwater, Queensland

PRODUCT COVERAGE:

680sqm @ 2mm

TYPE OF CONTRACT:

Material supply & install

CONTRACTOR:

Internal External Developments Pty Ltd

PRODUCT USED:

FerriSeal Quick Set & Rapid Build

Wesfarmers are a significant Australian open-cut miner and a leading metallurgical coal producer and supplier of thermal coal for domestic power generation. The Curragh Mine covers an area of approximately 12,600 hectares in the coal-rich Bowen Basin of Central Queensland – 14 kilometres north-west of Blackwater and approximately 200 kilometres west of Rockhampton.

Internal External Developments Pty Ltd (IE Developments) were engaged by Wesfarmers to apply a weather, water and rust proof membrane totaling 680sqm in surface area over three sections of roof. Both the Colorbond® and Klip-Lok® roofs leaked in many places. They consist of many construction joints that required waterproofing to ensure that the facility below remains dry.

Internal External Developments Pty Ltd engaged LRM Products to supply and install a UV stable, waterproof membrane coating to the coal washing facility roof. This involved using LRM Products' FerriSeal Quickset and Rapid Build specification products to weatherproof the roof. FerriSeal Rapid Build was used in conjunction with geotextile fabric to repair and seal the roofing joints. FerriSeal Quickset was then progressively applied (using airless spray pump) to coat all of the roof to provide a final seal.

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 and was far superior in comparison to competing products due to its excellent adhesion and elastomeric properties for the concrete floors and walls.

FerriSeal Quickset and Rapid Build offered Internal External Developments Pty Ltd and Wesfarmers Curragh Pty Ltd 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 shut downtime (during and post application)
- Certified to AS/NZS 4020:2005 for Potable Water
- Excellent elongation and recovery properties (over 850%)



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