



Rhino Linings®

CASE STUDY



Deslime underpan preped and primed with RL315



Completed deslime underpan, spray applied with RhinoGuard 2195

Category: Corrosion Protection

Project: Deslime Underpan Fabrication & Lining

Applicator: Rhino Linings Bowen Basin

(Tri Asset Protection Systems Pty Ltd)

Rhino Products: RhinoGuard 2195

RTM Engineering, Bowen, required a rapid turnaround to both fabricate and coat 2 x deslime underpans for Thies Collinville Mine, an open cut coal mine located in Central Queensland. The deslime underpans were to be fully fabricated, coated and delivered JIT (Just in Time) for an upcoming maintenance shutdown at the mine site.

The deslime underpans were fabricated from 3CR-12 stainless steel. This grade stainless steel exhibits good resistance to wet abrasion and mildly corrosive environments and used extensively in the mining industry but needed further protection.

The stainless steel deslime underpans were abrasive blasted to Class 3 (75 micron profile) prior to being primed with RhinoPrime RL315. RhinoGuard 2195 was then spray applied to a nominal thickness of 5mm on non-impact areas and >10mm on impact bed and drain areas.

Due to the customer's expectations for a fast turnaround, abrasive blasting, priming and final coating of the underpans were completed in 2 days and delivered on the 3rd day to the site for installation.

This work was carried out by Rhino Linings Bowen Basin (Tri Asset Protection Systems Pty Ltd).



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