

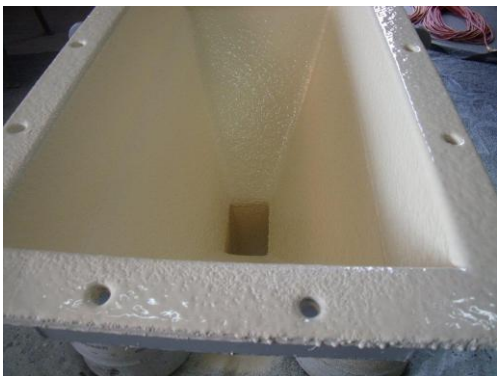


# Rhino Linings®

## CASE STUDY



Cyclone overflow box after 12 months



Internal coating of ore chute



External coating of ore chute

**Category: Mining, Surface Protection**

**Project: Ore Chutes**

**Applicator: Rhino Linings Darwin**

**Rhino Products: RhinoChem 2170**

This 5G densifying cyclone overflow box was coated with spray applied Rhino Linings RhinoChem 2170 for its chemical and wear resistant capabilities and was installed into service at the Argyle Diamond mine in Western Australia approximately twelve months ago.

Part of the procedure to extract diamonds from lamproite ore is the use of ferrosilicon powder mixed with water. This process requires a cyclonic separation plant of which the over flow box is part. Over time, ferrosilicon will build up reducing the overall efficiency of the separation process.

The Maintenance Shutdown Planner for Argyle Diamonds Ltd recently checked the cyclone overflow by running a hose over it for about 5 seconds, to his satisfaction he found the part was clean, attracting no rust or ferrosilicon build up. A huge saving in replacement costs or downtime for blasting and recoating was plainly obvious from this recent examination.

RhinoChem 2170 is one of many spray applied polyurethane (PU) and pure polyurea (PP) products that Rhino manufactures on the Gold Coast. Rhino Linings has been manufacturing these products since the late 1990's and is one of two manufacturing plants in the world wide Rhino Linings Corporation group of companies.



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