

Polyflex Alcan Aluminium Mine (Rio Tinto)

In this instance, the company was experiencing significant deterioration of rubber joints in machinery used in crushing various ores being processed.

Along with mechanical crushing, Sodium Hydroxide is used to help dissolve the material.

This caustic solution was causing damage to protective plates along the wall of the machine.

Replacing plates is a major operation requiring complete shut down for a period of seventeen days. This application of Polyflex 402 was completed in two days and provided protection

against the purifying solutions that are applied in temperature of 90° C.

Polyflex 402 has performed well in these extremely severe conditions.



Owner	Alcan Aluminium Company (Rio Tinto)
Project	Protective coating and waterproofing crushing machinery
Contractor	Polymère MC2
Date of project	2008
Substrate	Steel
System:	
Surface preparation	Sandblast
Primer	MCU Primer
Topcoat	Polyflex 402