



# Freeport McMoRan Copper Mine

## MINING

**Corrosion is costing the Mining Industry worldwide vast amounts of money yearly.**

Freeport McMoRan Copper Mine in Miami, Arizona, USA tested Alvenius CorroFlo pipes in a ferric cure line in their copper leaching operation in a place where stainless steel, 316L, started to leak after a couple of weeks due to the very aggressive corrosion from the cure solution.

Based on the excellent outcome of this test Freeport McMoRan decided to use Alvenius CorroFlo pipes in their leaching operation and a 610 mm (24") diameter pipeline was installed.

The demands of these pipes, used for transportation of a solution containing approximately 100g/l sulphuric acid with a pressure of up to 28 bar (406 psi) in the tough Arizona climate with temperature rating from below freezing point up to above 40° C, are very high.

An other advantage of the white coating is that it will keep the pipes cold even when the sun reaches its peak.

### Facts

Country:..... USA

Dim:..... 24" (610 mm)

Media:..... Acidic Water