

## SealBoss Case Study

**Date of Completion:** January, 2011

**Location:** Curragh Coal Mine Bowen Basin Central – Queensland, Australia

**Contractor:** Engineered Surface Preparation (ESP)

**Supplier:** Bayset Specialist Trade Supplies

**Engineering Firm:** Freyssinet Australia Pty Ltd

**Scope:** Client has to address 600m of control joint and 900m of cracked concrete in existing coal mine basin. This is a sludge tank used by the coal wash plant to clean and recycle the water.

**Repair Method:** ESP removes existing joint filler in order to apply **SealBoss** 6500 joint filler. This application involves dispensing bulk polyurea with the **SealBoss** JointMaster Pro2 pump. All 600m of control joint are filled with the flexible 6500 joint filler.

Concrete cracks are pressure injected with **SealBoss** 1570 through 13mm x 100mm buttonhead mechanical packers. Each packer is inserted into a 13mm drill hole and tightened in order to create a compression sealed fitting through which the hydrophobic polyurethane is injected. Upon contact with water, the expanding foam penetrates the cracks, leaving behind a fully penetrated, closed-cell, waterproofed seal.

