

## Challenge

### Issue

Coal pulverizers experience unscheduled shutdowns due to impact damage to tile liner. Alternative coatings lasted <1 month

### Goal

- Extend MTBF to a minimum of 6 months

### Root Cause

High velocity coal fines impacting brittle ceramic tile

## Solution

### Preparation

- Power tool clean to SP 11 with 2+ mil (50 µm) angular profile

### Application

- Apply 240-375 mil (6-9 mm) **ARC I BX1 RC** during a 12-hour shutdown to damaged areas butting up to remaining tile

## Results

### Client Reported

- Inspection after 1 month showed 95% or product thickness remained and zero delamination

Tile repairs	\$ 50,000/year
Alternative coatings	\$ 10,000/year
<b>ARC I BX1 RC</b>	<b>\$ 3,500/year</b>

\$=USD



MPS Coal Pulverizer



Damaged pulverizer walls



Coated pulverizer after 1 month