

Challenge

Issue

Failure of a rubber and tile lined chute caused leaks and unscheduled outages with lost production costs of >\$115K/per day.

Goal

Plant sought increased MTBF of chutes.

Root Cause

Seams in rubber lining exposed to highly abrasive slurry discharge cause rubber tears and delamination.

Solution

Preparation

- Pressure wash and decontaminate surfaces
- Power tool clean to Sa 2.5

Application

- Apply **ARC IBX1** to prepared surfaces to mate up to damaged rubber and tile sections
- Use radiant heat lamps to accelerate cure to <24 hours

Results

Client Reports

- Over 200 hours of increased production as a result of utilization of ARC coatings

Rubber (material/labor/downtime) \$1.5M

ARC (materials/labor/downtime) \$417K

Net savings: \$1.0M

ARC IBX1 and now **ARC IBX1 RC** are standard repair items in plant



Discharge flume with damaged tile/rubber liners



Applying ARC IBX1

\$=USD



ARC coated surfaces