

Agitator Prop Repair

Equipment

Ekato Agitator Modules

Problem

Prop blades were suffering from premature failure due to the harsh abrasive environment in agitator modules.



Before



Solution

Weld repaired props with 308 stainless steel wire to restore original shape.



After

Abrasive blasted and coated props with Chesterton BX2 coating.

BX2 is an advanced contractor grade ceramic reinforced composite for repair and protection of metal surfaces. The high concentration of silicon carbide, aluminum oxide and titanium oxide beads provide protection from chemical attack and erosion in extremely abrasive environments. BX2's tough resin structures resist thermal-mechanical shock.



Result

After six months, customer is extremely happy with increased service life and resulting lowered maintenance costs and is continuing a program to coat all props with Chesterton BX2.



Props after 6 months service.

