

POLYUREA COATING OF THICKENER TANK

INDUSTRY	Mining
CLIENT	Newmont Ahafo
DISTRIBUTOR	ShieldCrete Australia 1800 364 776 www.shieldcreteinternational.com
APPLICATOR	ShieldCrete® Africa
PROJECT	Thickener Tank Coating
LOCATION	Ghana, Africa
COATING SYSTEM	4-6mm ShieldPoly F-15
DATE	2023

Description

ShieldCrete® Africa were awarded a contract to recoat the thickener internal surface as the previous epoxy coating had worn away. The ideal coating for this application was ShieldPoly F-15.

Polyurea coatings are ideal for protecting these assets because they are extremely abrasion resistant, highly chemical and corrosion resilient, and performs exceptionally under constant immersion. The agitated slurry in thickeners exposes the substrate to constant wear which requires a coating capable of withstanding this condition.

The thickener was drained cleaned and then surfaced prepared to a 75-micron profile required for polyurea coating. The surface was tested for contaminants in the steel substrate before applying 4mm of ShieldPoly F-15 with up to 6mm applied in the high wear areas.

The thickener was completed on schedule and returned to service after 24hours of full cure time, the project exceeds the client's expectations in terms of schedule, quality and budget.

