

MINERAL PROCESSING: CIL, TOMINGLEY

INDUSTRY	Mining
CLIENT	Alkane Resources – Tomingley Gold
DISTRIBUTOR	ShieldCrete Australia 1800 364 776 www.shieldcreteinternational.com
APPLICATOR	Protector Coatings
PROJECT	Corrosion, chemical resistance, and abrasion protection of processing assets.
LOCATION	NSW, Australia
COATING SYSTEM	3-4mm ShieldPoly F-15 on walls and 4mm on floor.
DATE	2015/16



Description

After less than 2 years in service, the CIL tanks were inspected and found to be heavily eroded in addition to considerable pitting. To arrest the corrosion and erosion due to the aggressive solution, Tomingley decided to coat the tanks in Lockwell Polyurea.

Polyurea coatings are ideal for protecting these assets because they are extremely abrasion resistant, highly chemical and corrosion resistant, and they perform exceptionally under constant immersion.

The tanks were coated one at a time, keeping 5/6 tanks online at all times. Including cleaning it took around 7 days for each tank to be returned to service.

The best thing about polyurea is that it handles large walls and intricate details around baffles equally well, and it is extremely abrasion resistant.

Not all polyureas are equal, Lockwell formulations are the latest, based on more than 30 years of experience of our chemists and applicators.

In this case, an etch primer was used due to the staging requirements and open times that were required. It is this flexibility in our systems that mean we get the best result possible for the project specific constraints.

