

PROTECTIVE COATING OF WASTEWATER TANK

INDUSTRY	Wastewater Treatment
CLIENT	Townsville Council
DISTRIBUTOR	ShieldCrete® International +63 966 465 5362 www.shieldcreteinternational.com
APPLICATOR	NCS/Protector Coatings
PROJECT	Protection of the membrane tanks at the upgraded Cleveland Bay WWTP. Protection from wastewater for 20+ years.
LOCATION	Townsville, QLD, Australia
SYSTEM	Application of ShieldPrime UNI over EpiMax 225 rendered concrete, with minimum 3mm ShieldPoly F-15 Pure Polyurea to finish. ShieldPoly Polekote used for details and touch-ups when penetrations installed.
DATE	July 2018



Description

ShieldCrete® Australia assisted the Cleveland Bay Wastewater Treatment Plant (WWTP) engineers in specifying a system that enabled accelerated construction times to fit in with the installation of the membranes, as well as providing a product warranty.

Whilst not specifically required for the Polyurea system, the walls were rendered with Epimax 225 to ensure a consistent substrate. Despite the use of Epimax 225, the tanks were still primed with ShieldPrime UNI to help minimise pinholes. As a result, pin holing was kept to a minimum despite a relatively new and porous concrete structure to begin with.

Polekote was used to simplify some of the details around bolts and other penetrations to improve the construction program for the contractors.

A 10-year warranty was supplied to the Cleveland Bay WWTP team.

