

CASE STUDY

UNDERGROUND WATER TANK REPAIRS

Centre of Excellence, UNEC, Enugu, Nigeria 2013

DESCRIPTION

It was observed that the underground water tank was leaking with noticeable water from the wall and joints between the concrete floor slab and wall.

SOLUTION

Firstly, the tank floor, wall and soffit were carefully prepared for treatment and treated with Krystol T1/T2 Surface Application Treatment, while all the observed concrete cracks and weak spots were treated with Krystol Crack Repair System to render the surface waterproofed.

Also, the joints were treated using Krystol Joint Repair System to make these areas watertight

Specialized Pipe penetration treatment around the pipes for water inlets/outlets was carried out.

With these treatments, the tank is guaranteed to be waterproof for the entire concrete life cycle.

PROJECT

Underground Water Tank Repairs

ARCHITECT:

ATO Architects

ENGINEERS:

M O & A Consults Limited

DISTRIBUTOR/ APPLICATOR:

Concrete Logistics Limited

PRODUCTS & TECHNICAL

SPECIFICATION:

Krystol T1/T2 System

Krystol Crack/Joint Repair System

Krystol Pipe Penetration System



Underground tank before treatment



Dewatering the underground tank



Underground tank during treatment