

CASE STUDY

Waterproofing of an Overhead Water Tank Slab & Damp Walls

Ikoyi, Lagos

BACKGROUND

It was observed that the water seeps through the joints between parapet/building walls and floor slab to dampen the soffit of the slab. Water also seeps through the floor slab itself and portions of the tiled walls including the buried pipes in the slab to stain the ceiling. The water stains at the soffit of the first floor dining area was suspected to be a faulty plumbing pipe in the bathroom above, while the dampness in the ground floor guest room is by rise of ground water through capillary's action and also faulty plumbing pipe in the external wall.

SOLUTION

Concrete Logistics Limited was invited to provide and install Krystol Crystalline waterproofing Systems. After the assessment, the floor tiles and underlying screed/felt will be removed to expose the concrete slab for treatment after the water tank has been disconnected and removed from the work area. The joint between the walls & slab was treated using our Krystol Joint Repair System & Krystol T1/T2 Surface Applied Treatment. The drain Pipe & other pipes buried in the floor slab was made watertight using our Specialized Krystol Pipe Penetration Treatment before the previously removed screed was replaced with cement-sand (1:4) mortar dosed with our Krystol Mortar Admixture to make it watertight.

PROJECT

Overhead Water Tank Slab & Damp Walls

CONTRACTOR:

Integrated Projects Limited

DISTRIBUTOR/ APPLICATOR:

Concrete Logistics Limited

PRODUCTS & TECHNICAL

SPECIFICATION:

- Krystol T1/T2 Systems
- Krystol Joint Repair System
- Krystol Pipe Penetration
- Krystol Mortar Admixture (KMA)

