



ROOF GUTTER WATERPROOFING

POLYURETHANE WATERPROOFING (CONSEAL 250)





COSTARCHEM'S POLYURETHANE PRODUCT WAS USED TO WATERPROOF THE ROOF GUTTER OF 160SQM AT CAMEROON COURT, IKOYI LAGOS.

BACKGROUND

Costarchem were contracted to evaluate a property at Ikoyi Lagos. During inspection, the team observed cracks, random leakages, cracks at joints, a bad slope causing water to sit on the roof gutter and a bad screed (no bonding/loose sand) on the roof gutter despite the use and presence of an acrylic waterproofing membrane.

APPLICATION PROCESS

- Surface Preparation

Adequate and detailed surface preparation is essential for durability of product after installation. Before application, All loose concrete, chippings and dust were removed, and uneven surface smoothed with the aid of grinding.

Note: The compressive strength of substrate must be at least 25MPa and cohesive bond strength must not be less than 1.5MPa.

- Priming

Concrete surface was primed with Costar Primer. The primer was allowed to cure according to its technical instruction.

APPLICATION

After stirring, Conseal 250 was poured unto the primed surface and laid out by roller or brush until all surfaces was covered.

SOLUTION

The team resolved the problem by carting out the old screed and doing a new screed Afterwards, the surface was primed and allowed to sit for 30 minutes before applying the first coat of the polyurethane waterproofing membrane (Conseal 250) with geotextile fibres applied at the joints. The next day, the second coat of Conseal 250 was applied to permanently waterproof the roof gutter.

This treatment is guaranteed to last for 25 years

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