

Project: BT Telephone Exchange

Construction: Refurbishment

Main Contractor: Contract Services

BT telephone exchange is a high rise concrete constructed building which housed all their exchange cabling and wiring. So when isolated raining in problems arose it was prudent to upgrade the roofing membrane with a sound and versatile weatherproofing to cope with all that Mother Nature could throw at it.

We was presented with what seemed an impossible task of providing a 100% watertight solution whilst providing long lasting guarantees knowing full well limited access implications if the work should fail.

The illustrations below reveal the substrate and the hurdles facing us:

Substrate before work was carried out



The work involved surface preparation whereas all decontaminants were removed and all protrusions were wire brushed to reveal a sound surface.

We sought the technical advice of Kemper Liquid Waterproofing who provided us with the waterproofing and all the technical know how required for the project.

To simply things a primer was applied and allowed to dry, then a two part resin was mixed and roller applied, whilst still wet a fleece was bedded into the resin with a further application of resin to ensure the fleece was completely saturated, finally once cured a top coat was roller applied to "seal in" the membrane.

Below is the finished product with a 15 year guarantee which is proving to be a resounding success.

