

# Resin Flooring- Schlumberger

Schlumberger is the world's leading oilfield services company supplying technology, information solutions and integrated project management that optimise reservoir performance for customers working in the oil and gas industry. At one of their facilities, we applied various resin floor coatings to the new Testing Facility, an area of approximately 1700m<sup>2</sup>. These works required four different resin floor coatings applied. The walkways/ forklift aisles were to have a self levelling system while the general floor area and test bays were to have a coloured decorative epoxy quartz screed system. The work was to be carried out in phases i.e. governed by the structural slab joints.

In order to remove the flush dense finish of the power floated slab the floor was mechanically prepared by means of vacuum enclosed blasting. Localised grinding operations had to be carried out to ensure that sufficient thickness of the coating could be applied and also to ensure that the final finish was free from stains and other contaminants to provide a dry, dust free open textured surface with exposed aggregate suitable to receive the new coating. An edge former was placed on the isolation joints to give a straight line for the coating to be laid to. The sawn construction joints had to be overbanded with Flowcrete LXP to 500mm either side of the joint and the high concrete edges on the steel expansion joints had to be grinded and the tops of the metal joints were grinded and primed where necessary to achieve the correct levels.

On account of the high level of moisture content that was present in the slab; it was necessary to prime the slab with Hydraseal DPM. After the DPM was applied, sand was then scattered and the excess sand vacuumed off prior to overcoating. The Walkways and Forklift Access Areas were coated with Flowshield SL laid by trowel and spike rolled in 2 directions to release any entrapped air. Flowcoat TL with 3% aluminium oxide was mixed and applied to give the areas anti-slip qualities. The colours applied were clipper blue and emerald green. The Test Bay Areas were coated

## Project Details:

**Client:**

Schlumberger

**Specialist Contractor:**

Larsen Contracts Ltd

**Application:**

1700m<sup>2</sup> of self levelling and epoxy floor screeds

**Market:**

Industrial, Facilities Maintenance

with Peran STB a compact decorative quartz screed. The Peran STC and STC filler were mixed and applied by trowel and after ten minutes the coloured quartz was applied and the excess quartz was then vacuumed off.

The Client was very pleased with the finished result and high quality workmanship which has resulted in various small maintenance contracts. Some of the repeat work has included fixing Health & Safety hazards to prevent slips, trips and falls due to cracks in the floors and various wear and tear issues that have taken its toll on the floors.

Resin flooring

Commercial screeding

Concrete Repair

External renders

Resin Injection

Structural waterproofing

Car park & Podium decking

Reservoir refurbishment

Chemical resistant Bund Lining

Fast Track Systems

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