

Walkway Waterproofing

Gladstone Street, Glossop

SCOPE

- // Concrete Repair
- // Tapered Insulation
- // Surface Re-Waterproofing

DETAILS

- // Concrete repair to the stairs & walkways
- // > 180m² re-waterproofing to surface following tapered insulation and screed build up
- // Live environment meant precise phasing and programming

Case Study // Social Housing

Client | **Hankinson Group**
Role | **Specialist Sub-Contractor**

Before: Cracked & Failed Asphalt

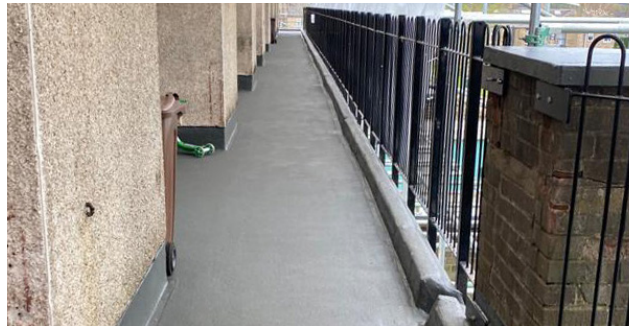


During: Tapered for Water Run Off

The scope of this refurbishment was to add longevity and re-waterproof the first-floor walkways of the structure while working to resolve historic leaks due to water ingress.

Previously, the stairs & walkways of the structure were patch repaired which subsequently failed. It became noticeable that the existing asphalt waterproofing had reached the end of its serviceable life and required replacing. Following the stripping of the asphalt back to the original concrete slab which required minor concrete repairs. The removal of the existing railings caused damage

Before: Water Damaged Concrete Slab

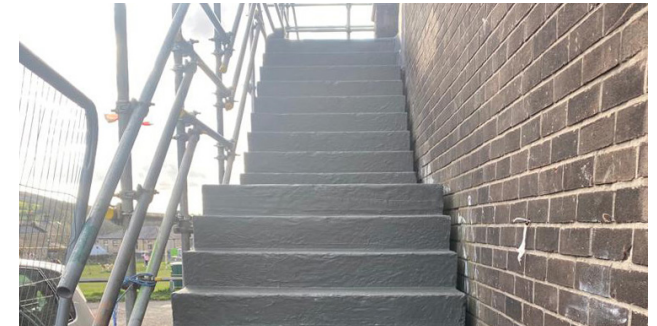


After: Watertight & Fully Protected Walkways

to the concrete edge of the stair and walkways which had to be infilled and strengthened to reprofile those damaged sections.

The slab of this structure did not provide a suitable surface meaning a layer of screed was applied to the substrate before a vapour control layer could be applied. Part of the water ingress issue was from ponding water due to the water not being able to run off to the drainage channels. To resolve this, taper insulation was mechanically fixed with two layers of 9mm plywood being laid in opposite directions, staggered to allow water to fall with the new

During: Tapered Insulation



After: Aesthetically Pleasing Walkways & Stairs

profile created.

To finish the stairs and walkways, a fully reinforced Sika Rapid Trafficable walkway system was applied to provide a watertight and anti-slip finish for the residents of these flats.

Due to the project being a live environment, with the walkway being the only entrance and exit to the properties, precise planning and programming had to be implemented. This also helped with the site being located in the Peak District making it logically challenging to get materials and man power to site.

For further advice/information, [visit www.cemplas.co.uk](http://www.cemplas.co.uk).