



SIKA AT WORK

WASTE RECYCLING CENTER, CAMBRIDGE, UK

FLOORING: Sika® Ucrete® IF, Sika® Ucrete® PFS

BUILDING TRUST



DURABLE FLOORING SOLUTION FOR WASTE RECYCLING CENTER



PROJECT DESCRIPTION

Project name: Waste Recycling Centre

Location: Cambridge, United Kingdom

Thalia Waste Management operates the best waste technology available across its four sites – one of the sites being in Cambridge. They use mechanical and biological treatment, including the traditional burn energy from waste and material recycling, and anaerobic digestion.

PROJECT REQUIREMENTS

The original concrete at the waste recycling center had been eroded by the loading shovels and presented a safety hazard. The plant has daily incoming loads, which means that any flooring repairs must be undertaken in an extremely narrow window.

SIKA SOLUTIONS

In collaboration with Corroless Eastern, Sika® Ucrete® IF was specified at 12 mm thickness. Sika® Ucrete® IF is a unique heavy-duty polyurethane resin floor that provides an extremely tough surface for environments subject to extreme impact and abrasion.

Corroless Eastern had to conduct extensive slab repairs and install a concrete overlay due to the severe erosion that had been caused. Given the program constraints, an extremely fast curing concrete mix was used from Hanson Cement. This ensured that adequate compressive strength would be achieved to allow for mechanical preparation the next day.

The newly installed concrete was primed with Sika® Ucrete® PFS. Sika® Ucrete® PFS is a rapid curing slurry primer that is used to completely seal the substrate prior to overlaying with Sika® Ucrete® industrial flooring. It provides a smooth even substrate and is the primer of choice wherever speed of installation is important.

Sika® Ucrete® IF was then applied by trowel to a thickness of 12 mm. All works were completed within the allocated week and the floor was returned to service the following week. This was made possible by the fast-curing benefits of the Sika® Ucrete® materials chosen.

PROJECT PARTICIPANTS

Project Owner: Amey Waterbeach / Thalia Waste Management
Contractor: Corroless Eastern

Any product name or reference reflects the Sika product name at the time of creation of this document and may differ from the product name or reference during past events.

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