

Project Profile - Buildings & Commercial Construction



PROJECT

Research and Development Centre,
Lin-Kuo,
Taipei County, Taiwan

SUMMARY

Repair and protection of 460m² of
external walls in corporate colours

PRODUCTS

Cementitious Coating 851
Bond-Prime
Biodex HB

CLIENT

USI Corporation

CONTRACTOR

Parallel Industrial Co., Ltd

BACKGROUND ►

Taiwan-based USI Corporation specialises in the manufacture, processing and distribution of a wide range of chemical products, including polyethylene resins. The company's products are used in the manufacture of a wide range of end products, including plastic bags, fishing nets, ropes, artificial flowers, shoe soles and swimming floats. The scale of the company has grown significantly since it was founded in 1965 and it is listed on the Taiwan Stock Exchange. The company distributes its products within domestic markets and overseas, including mainland China, Hong Kong, Japan, Vietnam, Malaysia, America, Canada and India.

The company has a 20,000m² Research and Development Centre based in Lin-Kuo, Taipei County, which is its primary research hub. In order to enhance the overall appearance of the R&D Centre, a major external refurbishment was carried out.

THE SOLUTION ►

A complete Flexcrete repair and protection system was chosen for this project. **Cementitious Coating 851** was first spray applied to the mortar surface to provide a highly protective, waterproof barrier. A two component, cementitious modified polymer coating, **851** reinstates concrete cover and protects the substrate from the effects of aggressive acid gases, moisture, chlorides and chemicals. A 2mm application provides the equivalent to 100mm of good quality concrete cover. **Cementitious Coating 851** is CE marked in accordance with BS EN 1504 Part 2 and is also approved by the British Board of Agrément (BBA).

Bond-Prime was then used to seal and stabilise the substrate prior to the roller application of two coats of **Biodex HB** - a tough, high build, water-based hygiene coating which remains permanently elastomeric and is able to withstand thermal and structural movement without cracking or flaking. **Biodex HB** is formulated using state-of-the-art copolymer technology combined with the latest generation biocide technology, ensuring active in-film protection against the growth of unsightly mould and fungus throughout the lifespan of the coating, thus ensuring that the building will maintain a clean, attractive appearance for many years. **Biodex HB** is available in a range of colours with special colours made to order. For this project, a vibrant yellow and blue were created to match USI's corporate colours.



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EMS 597350
OHS 597351

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Health & Safety

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