

Project Profile - Buildings & Commercial Construction

PROJECT

Clinic, Tai-Nan City, Taiwan

SUMMARY

Coating of new external walls
totalling 1,000m²

PRODUCTS

Bond-Prime, Monodex Textured,
Monodex Ultra

SPECIFIER

Yuen Ken Architecture

DISTRIBUTOR

Parallel Industrial Co., Ltd

BACKGROUND ►

A new clinic was constructed in Tai-Nan City, Taiwan. Designed by the renowned Yuen Ken architectural practice, the clinic has a contemporary style distinguishing the building from others in the same row. As the building is tightly sandwiched between two old buildings, the architect was seeking the use of anti-carbonation coatings to increase the aesthetics of the structure and provide the external walls with effective weatherproof protection from the humid conditions and heavy rains typically experienced in Southern Taiwan. The lower two floors of the building are used as a clinic and the third floor is the Doctor's residence.

As the building is a medical facility, it was important that any structural coatings used were non-toxic and totally safe to use in this type of environment.

THE SOLUTION ►

Flexcrete's distributor in Taiwan, Parallel Industrial Co., Ltd, recommended the use of **Monodex** coatings for this new build project due to their ability to provide exceptional weatherproof protection on buildings and structures all around the world. The coatings could be safely and rapidly applied to this medical facility as they are waterborne, non-toxic, non-leaching and non-tainting, curing without releasing solvents or heavy odour.

The clinic's 1,000m² of external walls were initially coated with one coat of **Bond-Prime** before the application of one coat of **Monodex Textured**. **Monodex Textured** is a highly engineered, waterborne, single component, acrylic-based decorative wall coating with an attractive textured finish. As well as having an attractive textured finish, **Monodex Textured** is also highly protective. It waterproofs surfaces for at least 10 years, yet allows high levels of entrapped substrate moisture to escape without causing blistering or delamination. It also incorporates an advanced in-film, non-leaching biocide, inhibiting the growth of mould and algae for many years, and is able to withstand substrate and thermal movement without cracking or flaking.

In order to achieve the desired finish for this project, **Monodex Textured** was overcoated with **Monodex Ultra**. **Monodex Ultra** is a rapid drying, minimal VOC, elastomeric water-based coating with a smooth, matt finish. Able to extend the service life of both newly constructed and existing buildings, it is ideal for the external decorative protection of facades, soffits and elevations of structures in temperate and tropical climates. Flexcrete's **Monodex** coatings are available in both standard and special colours, of which white and dark red were selected by the architect to maximise the aesthetics of the building. This project is deemed so impressive that it has been recommended for a prestigious architectural design award.



FM 41091
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Flexcrete Technologies Limited
Tomlinson Road • Leyland
Lancashire • United Kingdom
PR25 2DY

Tel: +44 (0) 1772 450 950 • Fax: +44 (0) 1772 450 960
Email: web@flexcrete.com • Web: www.flexcrete.com

