

Project Profile - Buildings & Commercial Construction



PROJECT

Kang-Chiao Bilingual School,
Taipei, Taiwan

SUMMARY

3620m² durable, decorative external protection required for demanding exposure conditions

PRODUCTS

Bond-Prime
Monodex Smooth

CLIENT

Kang-Chiao School Authority

BACKGROUND ▶

After nine years exposed to harsh climatic conditions on a mountainside in the outer suburbs of Taipei, the structural concrete and decorative GRP pillar construction at the grand entrance to the school showed serious deterioration.

With constant high humidity, cold winter conditions and heavy attack from UV in the summer, the surfaces had discoloured and cracked. In choosing a refurbishment system, the extensive growth of mould and lichen was another important consideration confronting the engineers.

THE SOLUTION ▶

Given that locally produced coatings lacked the properties to assure an effective and long lasting result, **Monodex Smooth** was specified. With elongation above 270% and proven resistance to CO₂ ingress, **Monodex Smooth** offers a high level of protection against extremes of weather. It will also resist mould and lichen growth throughout its long life. The substrate was cleaned by high pressure water jetting before priming with **Bond-Prime** followed by two coats of **Monodex Smooth** for a 15 year design life.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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

Tel: +44 (0) 845 260 7005 • **Fax:** +44 (0) 845 260 7006
Email: web@flexcrete.com • **Web:** www.flexcrete.com

