



Building together

PROJECT CASE STUDY

Reigate Parish Church School Teaching Block



An Alternative to Metal Copings



Reigate Parish Church School



Living Roof System

Living roof systems are becoming increasingly popular and many are taking advantage of pre-established modular (DIY) tray systems which require little maintenance to establish on site.

Whilst the roof may look relatively simple, a lot of work was required to establish the correct specification for the full waterproofing system and the Premier Contractor worked in partnership with DANOSA to refine the specification.

The project was installed over a SIP (structural insulated panel) yet additional insulation was required to achieve the required thermal performance. By adding insulation above the deck in combination with that already within the panel (e.g. below the structural roof deck), there was a risk of interstitial condensation being formed within the build-up.

Our Technical team provided project-specific u-value calculations to determine the required type and thickness of insulation to achieve the specified thermal performance and coupled this with a condensation risk calculation to check that the vapour control layer was appropriate for the conditions and that there was no condensation risk predicted with the proposals.

The Premier Contractor provided an alternative to standard metal copings by encapsulating the parapets with DANOPOL+ membrane and Colaminated metal

KEY FACTS

Construction Type: New Build
Warm Roof

Sector: Education

Approx. Size: 650m²

Warranty Period: 20 Years

WATERPROOFING SYSTEM

DANOPOL+ HS 1.5mm

PREMIER CONTRACTOR

Fleetwood Roofing

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