

Mother Teresa Catholic College, WA



Mother Teresa Catholic College is a progressive co-educational facility in the fast-growing suburb of Baldivis, 60 kilometers south of Perth in the City of Rockingham.

The school opened in 2013 and in 2018/19 a Stage 3 Capital Development Program called for the construction of junior-secondary class-rooms and associated facilities, playing fields, courts, grounds, and extended parking.

Requirement

The College's ongoing plans for facility enhancements represents a significant investment necessitating protection with the most effective pre-construction termite management system.

The College caters for students from pre-kindergarten to Year 12. Chemical termite control systems were not an option because of the schools desire for a clean and safe environment. So only a physical termite barrier would deliver the desired solution.

Approach

As is typical WA, the College's location is predominantly flat, with sandy soils. In general, this type of environment poses a high risk for termite attack and is common to this region.

Solution

The main challenge with the installation came from the rammed earth exterior

walls. Their composition of these walls can chip easily, so nailing or sealing the termite barrier into place was not practical.

The solution was to install Termimesh cold joint / paver trays to the perimeter of the concrete slab edge. These protected the concealed entry points between the slab and the wall. They also engaged into the external pavement instead of against the rammed earth wall itself.



Termimesh awaiting concrete pour

Benefit

The Termimesh System which comprises of our TMA725 grade stainless steel mesh, Termiparge bonding cement and quality stainless steel clamps. Not only met the strict requirement of no chemicals, it will also continue to provide ongoing reassurances and peace of mind that is unmatched by our market leading Pledge Guarantee. The Pledge Guarantee provides the client

with a 10-year warranty that requires no annual inspections during that initial period. The client has the option to extend this on an ongoing basis by having an approved annual inspection.



Termimesh penetration

Location: Baldivis, Perth, Western Australia

Installation Duration: 3 months

Installation Year: 2019

Project Value: \$15-20 million

Architects: Parry and Rosenthal Architects

Technical Details

Service penetrations: 150

Cluster penetrations: 11

Control joints: 700 LM

Concrete slab pours: Grid pattern - numerous

Perimeter: 500 LM



Photo Mother Teresa Catholic College Stage 3

