

Project Name: Christchurch Airport, New Zealand

Client: CIA Ltd

Contractor: Paving Solutions Limited

Site: New Zealand

Product Used: Resiblock '22' WB

Date: 2003 -2010



Site:

Christchurch Airport is New Zealand's tourism gateway, handling over two and a half million passengers on their holidays every year, which makes for a very busy aircraft apron. Aircraft movement readily erodes jointing sand from both hardstandings and the apron resulting in destabilised paving leading to foreign object damage.

Solution:

The simplistic application of Resiblock '22' WB a commercial grade joint stabiliser which prevents both water and fuel infiltration but additionally stabilises the jointing sand, preventing erosion from cleaning regimes and aircraft movement. Once cured it remains fully elastomeric thereby accommodating the small elastic deflections incorporated with the pavement design. During 2003 we saw the first stands stabilised with such success that thousands of square metres have been subsequently sealed. Kerry Evans of Paving Solutions surveyed the original application to the first stands which took place in 2003 and was able to report to the airport engineers zero sand erosion i.e. no maintenance required to paver the joints!

Benefits:

Resiblock '22' WB is a specialist prepolymer urethane (SPPU) which prevents the erosion of jointing sand.

- One pack material
- Easy application
- Prevents sand erosion from paver joint
- Prevents the ingress of water to sand laying course
- Maintains structural stability under heavy duty trafficking
- Elastomeric bond works in tandem with paver system