

Quila Granite – Warehouse

ArmourMate®



Quila Granite's South Brisbane warehouse facility had a number of slab requirements including significant loads from granite storage and movements from hard-wheeled, high-load traffic on a daily basis. Danley® provided the patented ArmourMate® joint armouring system resulting in an estimated saving of \$42,000 over the lifetime of the slab.



Project: Quila Granite Warehouse

Location: Brisbane, Queensland

Client: Douglas Constructions

Products: Diamond® Dowels, Econo ArmourMate®, Hyper ArmourMate®

Completion: December 2007

Design and engineering experts widely acknowledge that the floor is the most important component of a warehouse or distribution centre. The capabilities of the slab floor determine the storage and racking systems and also determines the sophistication of the vehicles used to handle the warehouse contents.

Poorly positioned joints or cracks in high-traffic areas can:

- Slow down the movement of forklifts and other materials handling equipment
- Cause unnecessary wear to tyres, wheels and bearings
- Potentially cause instability with loads

Uneven floors can also result in the same negative effects and slow down production adding to running and maintenance costs.

The ArmourMate® joint armouring systems are specifically designed for commercial and industrial applications where the concrete slab edges are exposed to traffic. Without protection, these joints will breakdown resulting in costly cracks and holes – damaging vehicles and tyres. ArmourMate® protects the joints and extends the operational life of the slab.

ArmourMate® comes in a range of grades flexible to project requirements. Douglas Constructions chose Hyper ArmourMate® for areas that receive high traffic flow – increasing protection of the warehouse floors from heavy loads and wear from intense forklift and truck use.

Danley's Econo ArmourMate® was also used in areas receiving a medium level of traffic from cushioned-tyre vehicles. Econo ArmourMate® is ideal for large wheel and cushioned-tyre traffic which has less potential to cause damage.

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