

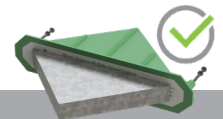
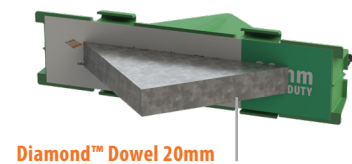
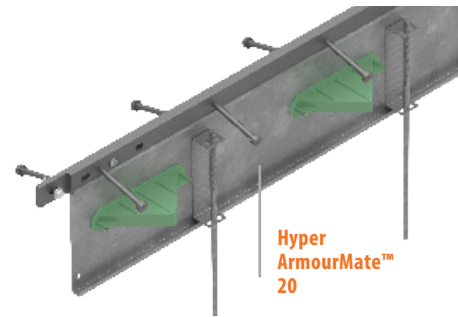
# Hyper ArmourMate™ 20

## Product Description

Danley™ Hyper ArmourMate™ 20 is the premium armour edging solution suited to heavy duty slabs 250mm to 300mm in thickness, where the wear surface must withstand materials handling equipment (MHE) traffic with small hard-wheels carrying high-loads on a daily basis.

**Hyper ArmourMate™ 20 is designed to provide the total joint system by incorporating 3 systems in the one solution:**

- The Hyper ArmourMate™ steel rails provide armour edging.
- The 20mm Diamond™ Dowels & Sleeves provide load transfer.
- The Galvanised 245mm sacrificial separation plate replaces timber form boards.



Diamond™ Dowels comply with the requirements of TR34 (4th Edition) providing load capacity at joint width gaps up to 20mm.

## Applications:



Port facilities and container terminals



Freight and transport facilities



Mining and heavy haulage hardstands



Heavy rail and intermodal facilities



Airports, hangers and runways

## Product codes Hyper ArmourMate™ 20

Product Codes	Rail Dims H x W (mm)	Length (mm)	Diamond™ Dowel (10mm or 20mm)	Dowel Centres (mm)	FJS Height (mm)	Slab Depth (mm)	Finish
AMHY245FJS	40 x 10	3000	20mm	450mm	245mm	250-300	Black
AMHY245FJSG	40 x 10	3000	20mm	450mm	245mm	250-300	Galvanised

## Product Performance Data Diamond™ Dowel 20mm

Slab Thickness (mm)	Single Dowel Design Capacity (kN)	Single Wheel Design Load (kN) (mid panel joint)	Single Wheel Design Load (kN) (edge loading)
250	38.4	281	154
300	54.4	431	237

### Concrete Compressive Strength Effect:

Strength MPa	30	32	35	40	45
Factor	1	1.03	1.08	1.15	1.22

**Notes:** Dowel spacing: 450mm. Concrete strength: 30MPa. Joint opening: 10mm. Design capacities should be compared with factored loads

Reid™ Construction Systems (RCS) AUS: 1 Ramset Drive, Chirnside Park, Victoria, Australia, 3116, NZ: 23-29 Poland Road, Glenfield, Auckland 0632

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