

## Edge protection systems for critical industrial floor joints

### Uses

Affordable and convenient alternatives to achieve long term durable metal armoured joints. Armourmate systems are supplied as fully fabricated metal joint assemblies which are installed into industrial concrete floors to provide protection to joint edges from wheel impact.

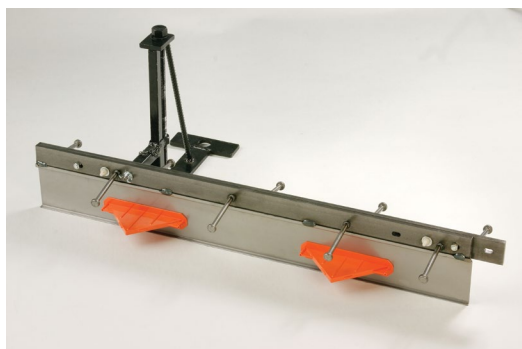
### Advantages

- Eliminates spalled concrete edges for the lifetime of the floor
- Malleable steel absorbs the impact of small, hard wheeled traffic that can otherwise rapidly deteriorate exposed concrete joint edge
- Steel used to fabricate Armourmate provides a flat exposed surface edge to finish against and has tighter dimensional tolerances compared with conventional hot-rolled steel which has rounded edges giving a crowned surface, creating a feathered transition of concrete over the steel
- Eliminates tack welding, previously necessary to suspend armoured bar for the second slab placement
- Allows for easier finishing of the concrete that abuts the steel bar edge
- Armourmate is shipped fully aligned and assembled for simplified, efficient and accurate installation
- The Armourmate system can be installed in a fraction of the time necessary to install conventional alternatives

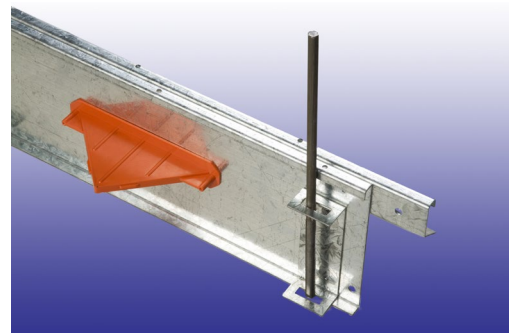
### Description

**Econo Armourmate;** Multi functional, low cost slab joint armoring and sacrificial formwork system incorporating the Diamond Dowel system.

- Ideal for general warehouse activities involving vehicles with cushioned tyres
- Provides joint edge protection
- Provided with height adjusting stakes
- Available in 3 m lapped lengths, 4-way intersection



Econo Armourmate



Beta Armourmate

**Beta Armourmate;** a low cost joint armoring system.

- Impact rails formed from sheet steel for facilities where vehicles and material handling equipment will impose relatively light loads and impacts on joints
- No form work to strip and clean after pouring concrete
- Light weight and easy to handle on site
- Easy to install with the patented staking system
- Comes assembled with the patented Diamond Dowels
- Low cost option for protecting concrete joints from spalling and cracking

### ArmourMate for conventional slabs

Specifiers and owners want to be assured of the highest level of protection against joint damage while also ensuring long term joint performance. Armourmate has the advantage and the ability to be designed to incorporate formwork and dowels into one complete system.

By specifying Armourmate complete with formwork and a dowel system, installers can utilise the unique Armourmate support brackets that provide maximum accuracy in establishing joint and dowel alignment.

For conventional mesh or steel fibre reinforced concrete slabs Armourmate can be designed to incorporate any dowel system, including high performance Diamond Dowels. University testing shows that Diamond Dowel outperforms all comparative traditional forms of dowels in load transfer whilst offering lateral joint movement. Diamond Dowel offers specifiers a dowel system that can be designed into joints in both directions without fear of joint lock up.

When using Armourmate for conventional or steel fibre reinforced concrete slabs Specifiers and Contractors can also request the Armourmate to suit either a construction joint detail or a contraction joint detail. Armourmate is the only prefabricated system currently available offering the simultaneous installation of joints within the pour and around the perimeter. By offering this joint combination Armourmate provides maximum construction flexibility and significant time and cost savings through increased concrete pour sizes.

### ArmourMate for post-tension slabs

Armourmate can be integrated into the design of post-tension concrete ground slabs, providing the enhanced features over conventional slabs.

# ArmourMate

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## Supply

ArmourMate is supplied in 3 metre lengths.

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### Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

### Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.