The most exciting new product in passive traffic safety. Deltabloc® provides a new generation of concrete barriers enhancing traffic safety. These barriers are lightweight, approved with outstanding protection.
Less Deflection

Deflection for cars at 100km/h at a 15° angle = 257mm deflection.

Approved Crash Barrier

RMS (NSW) 100km/h
VicRoads (VIC) 100km/h
QMR (QLD) 100km/h
Install up to 1km per hour

- Light weight design enables faster installation.
- Each barrier is symmetrical, this means barriers don’t have to be orientated for installation.
- Unique coupling system ensures fast & efficient installation - no bolting of joining plates required.
Reduced Freight Cost

- 6m DB80 barrier weighs 25% less than traditional ‘F’ type barriers.
- 48m / 20ft semi trailer carries 25% more DB80 barriers than traditional ‘F’ type barriers
Deltabloc DB80 Barrier

- Lighter Weight Design = Lower Cost

Traditional ‘F’ Type
670kg/m

DeltaBloc DB80
520kg/m

Call 1800 809 809 | fortressfencing.com.au

September 2014

LOWER COST
Melbourne - Regional Rail Project

During Construction of: Footscray - Deer Park

The Regional Rail project is an alliance with Thiess; construction partners Balfour Beatty and design partners Parson Brinckerhoff & Sinclair Knight Merz. This project included construction of 7.5km of new regional track, station improvements and new rail bridges.

Throughout the project Thiess turned to the DB80 temporary concrete crash barriers. 2.5kms were supplied to Thiess for the Footscray to Deer Park section of the Regional Rail Link project.

Key Data

- SYSTEM USED: DB 80
- TIME PERIOD: 2 Years
- INSTALL LENGTH: 2500m
- CUSTOMER: Thiess Contractors
- SPEED ZONE: 70km/hr
- DEFLECTION: 0.4m @ 110km/hr
- BARRIER LENGTH: 6m
- END TREATMENT: Absorb 350
Kempsey - Pacific Hwy

During Construction of: Kempsey Bypass

As part of the upgrade of the Pacific Highway, the Kempsey Bypass Alliance scope of works included the design and construction of 14.5 km of four-lane divided highway from Kempsey to Frederickton. This project was completed by Leighton Contractors Pty Ltd.

During construction of the Kempsey Bypass the DB80 was employed in a permanent application. Approval was given to utilize the DB80 where traditional permanent barrier was unable to be utilized due to the surface of the bridge not being able to be excavated.

Key Data
- SYSTEM USED: DB 80
- TIME PERIOD: Installed Feb 2013
- INSTALL LENGTH: 612m
- CUSTOMER: Leighton Contractors
- SPEED ZONE: 100km/hr
- BARRIER LENGTH: 6m
Deltabloc DB80 Barrier

APPROVED END TREATMENT & TRANSITIONS

Tapered Ends
< 70km/h

Absorb 350
< 70km/h

TAU
< 110km/h

September 2014
Fast Delivery

- Large fleet available for Hire or Sale

Sales

1800 809 809
sales@fortressfencing.com.au
www.fortressfencing.com.au

Hire

1800 769 121
hire@orangehire.com.au
www.orangehire.com.au
**Deltabloc DB80 Barrier**

**DESIGN SPECIFICATIONS**

**Available in:**
6000mm, 4000mm, 2000mm

**Curve radii for safety facilities**

<table>
<thead>
<tr>
<th>Barrier Type</th>
<th>DB 80 F-Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrier Length</td>
<td>2m</td>
</tr>
<tr>
<td>Curve radii with coupling 117mm*</td>
<td>16m</td>
</tr>
</tbody>
</table>

**Test Results acc. to MASH**

<table>
<thead>
<tr>
<th>System</th>
<th>DB 80 F-Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Containment level</td>
<td>TL-3</td>
</tr>
<tr>
<td>Working width</td>
<td>W6</td>
</tr>
<tr>
<td>ASI</td>
<td>C</td>
</tr>
<tr>
<td>Tension bar</td>
<td>K150</td>
</tr>
<tr>
<td>Installation Method</td>
<td></td>
</tr>
<tr>
<td>System height</td>
<td>80cm</td>
</tr>
<tr>
<td>System width</td>
<td>58cm</td>
</tr>
<tr>
<td>Tested System length</td>
<td>61m</td>
</tr>
<tr>
<td>Terminal anchoring</td>
<td>No</td>
</tr>
<tr>
<td>Anchoring in the ground</td>
<td>No</td>
</tr>
<tr>
<td>Successfully tested</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Deltabloc
DB80 Barrier

Queensland Government
Department of Main Roads

DB 80 Road Barrier
Approved to 100km/hr

vic roads

DB 80 Road Barrier
Approved to 100km/hr

NSW Government
Transport Roads & Maritime Services

Call 1800 809 809 | fortressfencing.com.au

September 2014

CONSIDER IT DONE