Reflex
Curved Walls The Easy Way
Reflex is a pre-assembled, adjustable panel system that’s easily set to almost all curves.
Reflex is the ultimate solution for curved walls

- Reflex is an excellent solution for the cost effective forming of curved concrete walls.

- Reflex’s galvanised steel frame, high-grade form ply face, and innovative design features allow for the setting of almost all curves efficiently and accurately, producing good quality finishes.

- The robust design of Reflex, which withstands concrete pressure up to 60kN/m² and can easily be adjusted for re-use in site after site, without dismantling, for all curves above a 2,500mm radius.

Tweed Council Waste Water Treatment Plant, Gold Coast
Reflex - an excellent solution for curved walls

Aldinga Council Waste Water Treatment Plant, SA

- Traditional methods of curved wall construction are labour intensive because of all the time needed to constantly assemble, disassemble and modify the system being used.

- Reflex is delivered pre-assembled, therefore there is no need for concern about losing components and time for set-up is dramatically reduced.

- The speed at which the Reflex system can be erected, stripped and repositioned provides significant reductions in labour costs.

Video - Showing Reflex Panel Installed
Reflex is innovative and has many safe features

• Reflex is a pre-assembled, adjustable panel that uses robust turnbuckles so it can be easily and accurately adjusted for the setting of almost all curves.

• Reflex’s ability to be easily adjusted for re-use without dismantling, eliminates the risk of component loss and improves on-site productivity.

• Reflex access platforms and guardrails provide a safe and secure working platform during site operations.

• Panels are fixed with Reflex clamps eliminating the use of nut and bolt connectors.
Reflex - Features and Benefits

**Reflex can be used for just about all curved wall projects**

- Reflex panels are adjustable from being straight to a minimum radius of 2,500mm.

- The internal panels are set opposite the external panels allowing the same form tie holes to be used for any diameter.

- The internal panels are spaced with timber infills and fixed with Reflex clamps.

- Reflex panels can be connected for high pours and can be used as climbing forms for multi-pour structures. The forms are internally tied using the 15mm Bar Tie system.
Reflex can be used for many applications

The versatility and ease of use of Reflex makes it highly cost effective for:

- Water and sewerage treatment work
- Flocculator tanks
- Pump wells
- Caissons
- Reservoirs
- Elevated tanks
- Circular stair wells
- Circular feature walls
- Large circular columns
- Circular footings

Mount Henry Bridge, Western Australia
The high grade form ply face on Reflex produces a high quality concrete finish.

The internal and external panels are tied using 15mm diameter RMD Rapid Bar Tie System.

Timber infills align internal and external panels, keeping tie positions radial.

Robust turnbuckles enable accurate adjustment of panels to all curves.

Large Reflex panels weigh 100 kg/m², enabling ganging of panels for crane handling.

Reflex is infinitely adjustable from a flat plane to a minimum radius of 2500mm.

Client: Clough Downer RML Joint Venture
Project: Mt Julian Reservoir, Mackay, QLD
Reflex - Dimensions And Pressure

Daintree Forest in Queensland

Reflex Dimensional Matrix (samples)

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<th>EXTERNAL PANELS 2000</th>
<th>INTERNAL PANELS 2005</th>
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MAX CONCRETE PRESSURE 60kN/m²

PANEL ASSEMBLIES (Excluding Access)

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<thead>
<tr>
<th>Height (mm)</th>
<th>EXTERNAL Width (mm)</th>
<th>Weight (kg)</th>
<th>Height (mm)</th>
<th>INTERNAL Width (mm)</th>
<th>Weight (kg)</th>
<th>Height (mm)</th>
<th>INFILL Width (mm)</th>
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Burringbar Waste Water Treatment Plant, Gold Coast