Bringing structures to life

SYSTEM BROCHURE

Wall Formwork
System Overview

RMD Australia’s Wall Formwork systems are well proven for their innovation, safety and high productivity. They are quick to erect and dismantle, and have unparalleled strength to weight ratios. With the ability to tailor specific products, Wall Formwork solutions from RMD Australia have been used in a wide range of applications, from some of the world’s most iconic commercial structures to the biggest civil engineering projects. RMD combines its world class sales and engineering teams with the prowess of its products to create a winning formula.

Faster

- With over 60 years experience in the construction industry, RMD Australia’s Wall Formwork solutions are designed to help you save construction time, either through superior strength to weight ratios or through, clever design innovations, and often both in combination.

Safer

- All our Wall Formwork systems are designed with safety as a criteria. RMD’s Engineering and Sales teams ensure that our solutions are the best for your project. Selecting a Wall Formwork solution from RMD will provide piece of mind, whatever the project that you are working on anywhere in Australia.

Easier

- Wall Formwork solutions provided by RMD Australia have been proven to be highly successful. From small commercial projects right through to large scale civil engineering projects, the versatility of our range of Wall Formwork systems is unsurpassed. Ranging from the incredibly versatile Maxima panel system, to the dependable Superslim we have the right Wall Formwork system for your needs.
Applications

RMD Wall Formwork can be tailored to support a wide variety of wall applications which include:

- Abutments & Piers
- Shear Walls
- Battered Walls
- Circular Tanks
- Columns
- Buttresses
- Culverts
- Towers
- Chimneys
- Silos
- Service Cores
- Basements
Features & Benefits

With over 60 years of engineering expertise and capability RMD Australia can deliver the correct wall formwork solution for your project.

- **Global Leader**
  RMD is a global leader in the development and execution of wall formwork solutions, with an enviable range of wall formwork products.

- **Tailor Made Solutions**
  We provide our customers with a tailor made solution to suit virtually any design and height of wall, with the determination to always provide added value and service to all projects.

- **Unrivalled Engineering Excellence**
  We can devise solutions where only others see problems. RMD provides an excellent engineering service.

- **Worldwide Capability**
  RMD are involved in the construction of major projects throughout the world. Trusted to deliver when it really matters by the best in the world.

- **Local Network**
  With a network of local branches when you deal with RMD, you talk to people who understand your working environment.
Superslim Soldiers

Working Together
Superslim Soldiers in conjunction with other RMD products, such as Alform Beams and Rapid Bar Tie can be used with plywood to construct a diverse range of conventional formwork.

Superslim Beam Lengths
Manufactured in nine standard lengths from 10mm to 3600mm gives almost unlimited assembly scope.

No Limits
The Superslim Soldier has no limitation on design pressures, with faster pour rates, a minimum number of ties for labour savings on every pour and it is 20% lighter than proprietary panel or timber formwork.

Robust Design
Formwork ties and other components can be fixed virtually anywhere along the Superslim Soldier’s length, giving you the freedom to create the optimum design.
Reflex

Curved walls the easy way
Reflex is a pre-assembled, adjustable panel that is easily and quickly adjusted for the setting of all curves efficiently and accurately.

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

Can be combined for high pours
Reflex can be combined for high pours and can be used in a climbing configuration to cater for multi-pour structures.

No dismantling
Reflex is easily adjusted for re-use at pour after pour without dismantling, which eliminates the risk of component loss and improves on-site productivity.

Pressure up to 60KNm²
It has a steel frame, which means it is strong, withstanding concrete pressures of up to 60KNm². Furthermore it is galvanised and is thus easy to maintain.

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

**Pressures up to 60kPa**
Minima is RMD's modular wall formwork panel for concrete pressures up to 60kPa.

**High System Productivity**
Up to 25m squared of clamped panels can be crane lifted into position if required. Clamps are easily tightened prolonging their working life and reducing labour requirements.

**Lightweight Panels**
Minima panels weigh only 30 kg/m2, allowing some of them to be easily and safely set by hand.

**Strike With Ease**
Minima inner corners have 2 degrees of stripping clearance.

**Extensive Range of Accessories**
Minima has the versatility to adapt to most building shapes, quickly and easily.

**18 Panel Sizes**
Allows virtually any configuration to be erected.
Special Formwork

Partnerships
When necessary RMD undertakes a partnership approach with clients to meet special formwork requirements.

Cost Effective Solutions
With our worldwide design and engineering capability, we ensure that we provide the most cost effective and safe solutions possible, through the combined use of both standard and special components.

A Flexible Approach
Flexibility combined with RMD’s understanding provides its clients with the confidence that the safest, most efficient and lowest in-use cost for special formwork has been provided to them.
Travelling Formwork

Infinite Possibilities
Construction times can be minimised, whilst ensuring maximum efficiency and low in-use cost.

Simultaneous Pours
Megashor shafts connected with Superslim Soldiers and fabricated header beams allow the walls and slab to be poured simultaneously.

No Cranage
Superslim Soldiers with 6-way connectors form the gantry to suspend the wall shutters from, eliminating the need for a crane.
Rapidclimb

**Easy Operation**
The Rack and Pinion activation mechanism is operated from a comfortable position to one side of the bracket. There is a wedge locking device which secures the position of the shutter when formwork is stationary.

**Simple Adjustment**
Simple lateral adjustment of the form relative to the platform by way of slotted mountings. Integral vertical adjustment jack for fine levelling of shutter relative to platform.

**Plenty of Working Space**
750mm working space on the inside of the formwork when it is retracted.

**Simple Handling**
The platform and form can be crane handled as a single element.

**Suspended Platform**
System suspended platforms enable removal of wall brackets and necessary concrete finishing.

**Recoverable Anchor Screws**
For vertical loads of up to 30kN Climbing Brackets connect to the wall with recoverable anchor screws - no lost parts (for higher loads an anchor cone and lost plate are used).
Ascent-F

Versatile
Ascent can be used with any formwork system to construct piers and straight or curved walls sloping by up to 20 degrees.

Peace of Mind
The highly visible Ascent Latch connects securely with the Ascent Wall Brackets. ELEV (Electronic Latch Engagement Verification) system further enhances visibility.

Cost Reducing
Starts from the first wall lift and masts are safely extended in-situ speeding early construction cycles, reducing labour and saving valuable site space.

Functional Design
Pre-assembly of equipment can be carried out without cranes at ground level.

Weather Proof
Ascent can be lifted in high winds and if no crane is available, the simple Ascent hydraulic system can be used.

Ease of Use
Wall brackets can be pre-mounted on the cast-in wall anchor before adding the connecting bolt making this a fast job for a single operative.
Rapid Ply

**Used Without a Crane**
The heaviest panel of 1.44m² weighs only 38.5kg, consequently Rapid Ply can be used without requiring a crane to form in-situ concrete structures, even on the most difficult project sites.

**High Tensile Steel Frames**
Rapid Ply panels are made from high tensile steel frames which makes the panels more rigid, more robust and up to 5kg/m² lighter than competitor panels.

**Provides a Good Quality Finish**
The 12mm thick plywood with a heavy-duty phenolic overlay on the face provides extra long life and a high quality finish for the concrete.

**A Large Range of Panels**
A wide range of panel sizes are available from 600mm x 600mm to 2400mm x 600mm, enabling the assembly of virtually any combination of panels for a large range of layouts and pour heights to suit structures of various sizes and shapes.

**Erection and Striking is Fast**
The erection and striking of Rapid Ply is fast and straightforward and only needs a team of two; saving time and money.
Services

Our service sets RMD Australia apart...

With over 60 years of experience in the construction industry RMD Australia understand the many and varied challenges that our customers face, whatever the size of your project. Whilst our product range provides us with the capability of supporting your project, it is our people that will make the difference.

Sales Support
The Sales Team support you throughout the project, they have the knowledge to advise effective solutions based on RMD’s safe and productive products to reduce costs.

Engineered Drawings
Engineering is based in each Region and at RMD’s Head Office. They provide detailed drawings that clearly show the most efficient and safest way that the project should be undertaken.

Customer Service
RMD provide a wide range of customer services to suit your special requirements, from training to the support items that you may require.

Technical Expertise
Every project, large or small, requires a unique design. Our highly skilled team of Engineers will firstly gain a thorough understanding of your specific requirements, and then provide a solution designed to more than meet them in terms of speed and accuracy. With a view to cost effectiveness.

Safety
RMD Australia prides itself on the inherent safety of our product range and the solutions that we design. Safety is a major criteria for all of our personnel including our dedicated Sales Team.