



**R·M·D**  
**KWIKFORM**

# WALL FORMWORK

people make the difference

RMD Kwikform is a powerful team comprising the skills, experience and energy of over 1,000 men and women in 16 countries. Totally diverse in nationality, culture, language and background. Totally united in the pursuit of customer satisfaction.



## our experience and expertise

RMD Kwikform is a global leader in the development and execution of wall formwork solutions. With an enviable range of wall formwork products and a determination to provide an added value service, RMD Kwikform can provide a tailor made solution to suit virtually any design and height of wall.

It's the result of over 50 years experience gained on major projects throughout the world. What's more, our network of local branches means when you deal with RMD Kwikform, you talk to people who understand the working environment, technical difficulties and challenges you face.



ULTRAFRAME

**Client:**  
Balfour Beatty.  
**Project:**  
St. Andrew's Square Development, Edinburgh, Scotland, UK.

**Client:**  
Jin Sung Construction Co. Ltd.  
**Project:**  
Sang Dae Bridge #2, Won Ju, South Korea.

**Client:**  
SIAC - Cleveland Bridge JV.  
**Project:**  
Boyne Bridge, Dublin, Ireland.

**Client:**  
R.M. Douglas.  
**Project:**  
Cheek Cross WTW, Ventnor, Isle of Wight, UK.

**Client:**  
Ting Kau Contractors JV.  
**Project:**  
Ting Kau Bridge, Hong Kong.



AUTOCIMB



RAPIDLYPANELS



RAPIDCLIMB



SPECIALFORMWORK

**Client:**  
A & M Construction.  
**Project:**  
Preston UPM, UK.



TRAPEZE



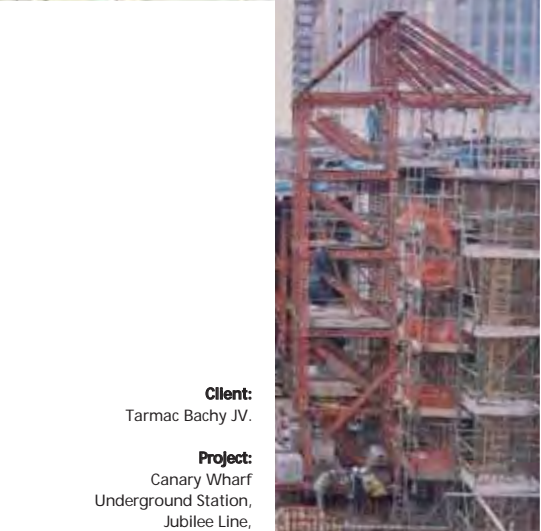
**Client:**  
Ratheon Ebasco Overseas.  
**Project:**  
San Roque Dam, Luzon, Philippines.

SUPERSLIMSOLDIERS

## applications

RMD Kwikform wall formwork can be tailored to support a wide variety of wall applications:

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



**Client:**  
Tarmac Bachy JV.  
**Project:**  
Canary Wharf Underground Station, Jubilee Line, London, UK.

TRAVELLERS



REFLEX



**Client:**  
Shepherd Construction.  
**Project:**  
Bull Ring, Shopping Development, UK.

MAXIMA



Formwork ties and other components can be fixed virtually anywhere along the **Superslim Soldiers** length, giving complete freedom to create the optimum design, whatever the application.



**Client:**  
Astaldi Thies JV.

**Project:**  
Balambano Dam Project,  
Soroako, South Sulawesi,  
Indonesia.

**Client:**  
Thiess.

**Project:**  
BP Wastewater  
Treatment Plant,  
Perth, Australia.

## superslim soldiers

**Superslim Soldiers** are used in conjunction with other RMD Kwikform products, such as **Aluminium Beams** and **Rapid Bar Tie** in the construction of a variety of walls.

Due to their **simplicity and ease of use**, Superslim Soldiers can be used in conjunction with Alform aluminium beams or laminated timber beams to assemble large wall formwork panels. Utilising aluminium beams or laminated timber beams ensures **consistent alignment and accuracy, to provide formwork with the highest quality concrete finish.**



**Superslim Soldiers** are manufactured in nine standard lengths, from 10mm to 3600mm, giving almost unlimited scope for assembling beams of any length.



**Client:**  
Argee Construction

**Project:**  
Govalle Lift Station,  
Austin, Texas, USA.



**Client:**  
CENCO-RNC Ltd.

**Project:**  
Jet Engine Test Facility, Bangkok  
International Airport, Thailand.

The robust design of **Superslim Soldiers** ensures they can cope with the demands of frequent re-use, allowing for consistently accurate on-site fabrication.



**Client:**  
Cosmos Construction  
Sdn. Bhd.

**Project:**  
Kuala Lumpur  
International Airport,  
Malaysia.



**Client:**  
Conpax.

**Project:**  
Cristo Rendeutor,  
Retaining wall  
Chile.

**Client:**  
Eurolink.

**Project:**  
Channel Tunnel  
Rail Link,  
Medway Crossing,  
Kent, UK.



**Client:**  
MJ Murphy.

**Project:**  
Willenhall  
Sub Station,  
West Midlands, UK.

**Client:**  
MJ Murphy.

**Project:**  
Willenhall  
Sub Station,  
West Midlands, UK.



**Maxima** eliminates on site panel pre-assembly, and uses a single universal clamp for almost all connections. It's quick and straightforward to erect formwork to any height and length, offering significant savings in time and skilled labour costs.

## maxima

**Maxima** is the robust and versatile large panel wall formwork system, suitable for concrete pressures up to **80kN/m<sup>2</sup>**. The panels can be arranged into virtually any combination for a huge range of layouts and pour heights, to provide **fast, adaptable** and **cost effective crane-set formwork** for a wide variety of applications.

**Client:**  
Salfa Montajes

**Project:**  
Planta Soprole,  
La Calera, Chile



New Minima Wedge Clamp



**Client:**  
Salfa Montajes SA.

**Project:**  
Planta de  
Tratamiento DMS,  
Santiago, Chile.

## minima

**Minima** is RMD Kwikform's latest modular wall formwork panel for concrete pressures up to **60kN/m<sup>2</sup>**. The lightweight panels weigh only 30 kg/m<sup>2</sup>, allowing them to be easily and safely set by hand. And with an extensive range of accessories, **Minima** has the **versatility** to adapt to most building shapes, **quickly** and **easily**.



**Client:**  
Morgan Est.

**Project:**  
A92, Dundee,  
Scotland.





**Client:**  
Balfour Beatty.

**Project:**  
St. Andrew's Square  
Development,  
Edinburgh, Scotland,  
UK.



**Client:**  
Ways and  
Freythe  
(Malaysia)  
Sdn. Bhd.

**Project:**  
Telecom Tower  
Project,  
Kuala Lumpur,  
Malaysia.



The cast-in anchor template provides accurate and secure alignment to the **Ultraframe**, while the high load re-usable anchor ties give a capacity of 500 kN per frame.

## ultraframe

Ultraframe is the new, modular, wall formwork support frame for single-sided walls.

The **3 component frames** can accommodate pour heights **up to 9.6m** high, with each frame having a high load capacity anchor of **500kN**.



The rear levelling jack ensures that the **Ultraframe** and the form face are accurately aligned to give a good concrete finish.

**Rapid Ply Panels** are offered in a wide range of sizes enabling flexible usage in a wide range of formwork applications. Coupled with a wide range of accessories, **Rapid Ply Panels** can be used on virtually any structure.

## rapid ply panels

RMD Kwikform Rapid Ply Panels are robust, easy to assemble, steel framed, film coated plywood panels, which ensure a high quality concrete finish. With the ability to construct both straight and curved walls, Rapid Ply Panels have the versatility to be assembled either as hand-set or gang-set formwork for crane handling.

**Client:**  
Fletcher White JV.

**Project:**  
Molonglo Dam,  
Canberra, ACT.



**Rapid Ply Panels** can be used in conjunction with other RMD Kwikform products such as **Superslim Soldiers** or **Mini Silms** as backings to the panels, in order for them to be crane handled into position.



Simple, robust, wedge fixing method enables faster assembly and striking of **Rapid Ply Panels** with secure joint connections, increasing efficiency and reducing the on-site skilled labour costs.





**Client:**  
Consolidated Contractors  
International Company  
(C.C.I.C.)

**Project:**  
LNG Building, Qatar.

**RAPIDCLIMB**

## climbing formwork

RMD Kwikform is able to offer a choice of climbing formwork systems - **Rapidclimb and Autoclimb**.

**Rapidclimb** is a crane assisted climbing formwork bracket system, which provides **safe**, self contained working levels for **economical** wall forming.

**Autoclimb** is a hydraulic self climbing system, with unique design features allowing it to **climb up the concrete structure and subsequently lower to the ground again after use, independent of crange.**



**Client:**  
Sir Robert  
McAlpine.

**Project:**  
Skyparks,  
Edinburgh, UK.

**AUTOCLIMB**



**Client:**  
Di Pompo  
Construction  
Pty. Ltd.

**Project:**  
Queen Street  
Apartments, Brisbane,  
Australia.

**AUTOCLIMB**

With **Rapidclimb**, fine adjustments of the form face can be made during construction, providing accurate alignment of the form face vertically and laterally.



**Client:**  
Taylor Woodrow  
International.

**Project:**  
Flour Mill,  
Screening Block,  
Doha, Qatar.

**RAPIDCLIMB**

The **Autoclimb** solution included four levels of working platforms, each with handrails to shoulder height and complete weather protection, giving site personnel an increased sense of safety and security.

**Client:**  
SIAC - Cleveland Bridge JV.

**Project:**  
Boyne Bridge, Dublin, Ireland.

**AUTOCLIMB**

**Autoclimb** has the ability to withstand wind speeds of 50 metres per second, minimising delays to the construction programme due to inclement weather.



Both **Autoclimb** and **Rapidclimb** have trolley mounted formwork panels which retract from the concrete face to provide space for cleaning the form face and steel fixing.



**Client:**  
J. Laing Construction Ltd.

**Project:**  
Millennium Stadium,  
Cardiff Arms Park, UK.

**AUTOCLIMB**





With its innovative design features, **Reflex** allows for the setting of most radii, efficiently and accurately. A plywood face backed by a galvanised steel sheet ensures a high quality concrete finish.



**Reflex** panels remain assembled in sets between uses, improving on site productivity, and weigh only 75kg/m<sup>2</sup>, enabling ganging of panels for crane handling.

## circular formwork

RMD Kwikform offers two circular formwork systems - **Reflex and Trapeze** - at selected locations, all tailored to suit a wide range of project requirements.

**Reflex** is the **new** curved wall formwork system from RMD Kwikform. It's robust, galvanised design has the ability to withstand **concrete pressures of up to 60 kN/m<sup>2</sup>**, and can be easily adjusted for re-use without modification, for all radii above 2.5m.

**Trapeze** is an infinitely variable circular formwork system which can form radii upwards of 2.5m upwards and withstand **concrete pressures of up to 60kN/m<sup>2</sup>**.

Only four ties per 7.2 square metres of wall are required and **Trapeze** panels are infinitely adjustable without the need to remove the plywood face.



Perfect for all circular wall applications, the **Trapeze** system easily incorporates stop-ends and segment heights from 0.75m to 3.0m.

**Client:**  
Balfour Beatty Construction.

**Project:**  
Aberdeen WWTW,  
Nigg, Scotland, UK.



**Client:**  
Hyundai Motor Co.

**Project:**  
Aero Acoustic  
Tunnel,  
South Korea.

## travelling formwork

RMD Kwikform can design **Travelling Wall Formwork** using either **Megashor, Superslim Soldiers or custom built equipment**. With an infinite number of possibilities, **construction times can be minimised, whilst ensuring maximum efficiency and low in-use cost.**



**Client:**  
Øresund Tunnel  
Contractors JV.

**Project:**  
Øresund Link Portal  
Approach,  
Kastrup, Denmark.



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

**Superslim Soldiers** with 6-way connectors form the gantry to suspend the wall shutters from, eliminating the need for a crane.



**Client:**  
Downer/Paul Y/  
McAlpine JV.

**Project:**  
Chek Lap Kok  
Airport,  
Hong Kong.



**Client:**  
Tarmac Bachy JV.

**Project:**  
Canary Wharf  
Underground Station,  
Jubilee Line,  
London, UK.





**Special** single piece formwork, for the complex elliptical, truncated, conical reinforced concrete piers.



Unique design of **Special** steel faced and standard ply faced formwork for the construction of massive reinforced dam gates.



**Client:**  
China Water and Electric.  
**Project:**  
Pak Phanang Dam, Thailand.

**Client:**  
Bethel - Elie Selwan.  
**Project:**  
Project PN1, Beirut River Viaduct, Lebanon.

## special formwork

RMD Kwikform undertakes a partnership approach with clients to meet special formwork requirements. With our worldwide design and engineering capability, we aim to ensure that we provide the most cost effective and safe solutions possible, through the combined use of standard and special components. This flexibility combined with RMD Kwikform's unique understanding **provides its clients with the on-site confidence that the lowest in-use cost for special formwork is provided.**

**Client:**  
Sir Robert McAlpine.  
**Project:**  
Millennium Bridge, London, UK.

**Special** bull nose pier jump forms for multiple lift pier construction.

**Client:**  
Eurolink, Project 350.  
**Project:**  
Channel Tunnel Rail Link, Medway Crossing, Kent, UK.

Steel hammer head side and soffit **Special** formwork supported from adjustable jacks anchored to the pier.



**Client:**  
Chung Soo Construction Co.  
**Project:**  
Nam Hai Bridge Piers, South Korea.



**Client:**  
China State Construction Engineering Corporation.  
**Project:**  
Al Hindiya Barrage Project, Iraq.



## Partner in Vietnam

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