

R·M·D
KWIKFORM

Bringing
structures
to life



PRODUCT BROCHURE

Minima

RMD Kwikform South Africa

Minimā A robust, versatile, modular formwork panel system



Product Overview

Faster

- Efficient tie hole positioning reduces the number of ties required, lowering costs and construction times
- Modular components reduces the time to assemble and dismantle the panels
- Minimā has the versatility to adapt to most building structures, quickly & easily

Safer

- Few loose fittings make it easy and convenient to connect the panels by using Minimā clamp and Minimā corner clamp - no special tools are required
- Crane handled or easily set by hand

Easier

- Many of Minimā's panels are lightweight (only 30kg/m²), which means most panels are easily set by hand, minimising the need for cranes, reducing costs and skilled labour requirements
- Panels can be clamped together and up to 25m² can be lifted by crane if required, increasing the productivity of the system
- Minimā inner corners have a 2 degree stripping clearance, which allows panels to be easily removed once curing has taken place
- Clamps are easily tightened, prolonging their working life and reducing labour requirements
- Minimā has many different panel sizes ensuring that virtually any wall can be erected



Minima A robust, versatile, modular formwork panel system



Applications

Minima is recommended for when a project isn't suitable to use a crane and the concrete pour height is less than 3.9m for walls and 2.7m for columns.

- Walls
- Columns
- Buttresses
- Culverts
- Abutments and piers
- Service cores
- Basements
- Tanks
- Foundations
- Pile caps



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Features & Benefits

■ Lightweight panels

Panels are only 30kg/m² so they are easily set by hand, minimising the need for cranes, reducing costs and skilled labour requirements.

■ Simple clamping system

Clamps are easily tightened, prolonging their working life and reducing labour requirements.

■ Increased productivity

Panels can be clamped together using the Aligning Panel Clamp and up to 25m² lifted by crane if required,

■ Easy stripping

Minima inner corners have 2 degree stripping clearance allowing panels to be easily removed once curing has taken place.

■ Versatile

Available in 18 panel sizes, virtually any configuration can be erected.

■ Clever design

Tie positions support 1.21m² of formwork when using 2.7 x 0.9m panel assemblies, reducing the number of ties required, lowering costs and construction times.



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In Detail

System



Modular components

Reduces time to assemble and dismantle panels.



Few loose fittings

Easy and convenient to connect the panels by using Minima clamp and Minima corner clamp - no Special Tools Required.



High concrete pressure

Minima is suitable for concrete pressures up to 60kN/m² for single tie and 55kN/m² for height extended forms. Minimises the use of form ties, reducing the number of components required.



Handset formwork

Formwork panels can be set without a crane, substantially reducing cost.



Hot-dip galvanised frame

Increased panel life cycle and reduced maintenance costs.



Wide range of panel sizes

With three different height sizes and five different width sizes, with 18 different panel sizes Minima can be adopted in almost every project.

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In Detail

Innovative Components



The Minima multi purpose panel

With horizontal tie hole at 50mm intervals, Minima can be used in special applications such as wall offsets, corner with oblique angles and pilaster.



Minima external corner clamp

Can join two standard panels together and skip the requirement of using an external corner panel.



Minima adjustable clamp

Joins panels and fillers together and allows up to 150mm of infill adjustment.



Minima hinge corner

Can be used in a wide range of internal and external angles.

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Projects



PROJECT
The Umengi Interchange
Development Project

REGION
Africa

STRUCTURES
Bridges, Roads



PROJECT
North East Waste Water
Treatment Works

REGION
Africa

STRUCTURES
Water Works



PROJECT
Civitas Apartments

REGION
Australia & New Zealand

STRUCTURES
Hi-Rise

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Components

Plywood Panels 1200mm



Code	Description	Weight
MMX21230	Plywood Panels 1200mm x 300mm	19.5kg
MMX21245	Plywood Panels 1200mm x 450mm	24.8kg
MMX21260	Plywood Panels 1200mm x 600mm	29.55kg
MMX21275	Plywood Panels 1200mm x 750mm	34.46kg
MMX21290	Plywood Panels 1200mm x 900mm	42.5kg

Plywood Panels 1500mm



Code	Description	Weight
MMX21530	Plywood Panels 1500mm x 300mm	24.64kg
MMX21545	Plywood Panels 1500mm x 450mm	30.25kg
MMX21550	Plywood Panels 1500mm x 500mm	32.30kg
MMX21550	Plywood Panels 1500mm x 550mm	34.1kg
MMX21560	Plywood Panels 1500mm x 600mm	35.9kg
MMX21565	Plywood Panels 1500mm x 650mm	37.87kg
MMX21575	Plywood Panels 1500mm x 750mm	41.7kg
MMX21590	Plywood Panels 1500mm x 900mm	47.35kg

Plywood Panel 2700mm



Code	Description	Weight
MMX22730	Plywood Panel 2700mm x 300mm	43.14kg
MMX22745	Plywood Panel 2700mm x 450mm	52.72kg
MMX22750	Plywood Panel 2700mm x 500mm	56.0kg
MMX22755	Plywood Panel 2700mm x 550mm	59.20kg
MMX22760	Plywood Panel 2700mm x 600mm	62.33kg
MMX22765	Plywood Panel 2700mm x 650mm	65.52kg
MMX22775	Plywood Panel 2700mm x 750mm	71.96kg
MMX22790	Plywood Panel 2700mm x 900mm	89.47kg

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Components

Multi Purpose Plywood Panels



Code	Description	Weight
MMX41270	Minima MP Panel 1200 x 700mm	37.0kg
MMX41570	Minima MP Panel 1500 x 700mm	44.0kg
MMX42770	Minima MP Panel 2700 x 700mm	70.8kg

Composite Panels 1200mm



Code	Description	Weight
MMX71230	Minima Panel 1200 x 300mm	20.50kg
MMX71245	Minima Panel 1200 x 450mm	26.22kg
MMX71260	Minima Panel 1200 x 600mm	30.24kg
MMX71275	Minima Panel 1200 x 750mm	36.90kg

Alkus Composite faced panels for greater durability

Composite Panels 1500mm



Code	Description	Weight
MMX71530	Minima Panel 1500 x 300mm	25.08kg
MMX71545	Minima Panel 1500 x 450mm	30.89kg
MMX71550	Minima Panel 1500 x 500mm	32.92kg
MMX71550	Minima Panel 1500 x 550mm	34.91kg
MMX71560	Minima Panel 1500 x 600mm	36.83kg
MMX71565	Minima Panel 1500 x 650mm	38.79kg
MMX71575	Minima Panel 1500 x 750mm	42.75kg
MMX71590	Minima Panel 1500 x 900mm	51.78kg

Alkus Composite faced panels for greater durability

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Components

Composite Panels 2700mm



Code	Description	Weight
MMX72730	Minima Panel 2700 x 300mm	43.92kg
MMX72745	Minima Panel 2700 x 450mm	53.88kg
MMX72750	Minima Panel 2700 x 500mm	57.29kg
MMX72755	Minima Panel 2700 x 550mm	60.58kg
MMX72760	Minima Panel 2700 x 600mm	63.85kg
MMX72765	Minima Panel 2700 x 650mm	67.17kg
MMX72775	Minima Panel 2700 x 750mm	73.85kg
MMX72790	Minima Panel 2700 x 900mm	89.47kg

Alkus Composite faced panels for greater durability

Composite Multi Purpose Panel



Code	Description	Weight
MMX61270	Minima Composite MP Panel 1200 x 700mm	37.8kg
MMX61570	Minima Composite MP Panel 1500 x 700mm	45.0kg
MMX62770	Minima Composite MP Panel 2700 x 700mm	72.57kg

Alkus Composite used to face the panels, improving their durability

Alignment Panels



Code	Description	Weight
MMX10005	Minima Alignment Prop - Medium	22.9kg
MMX10017	Minima Alignment Prop - Short	12.66kg
MMX10032	Minima Propping Bracket	1.87kg

Components

Inner Corners



Code	Description	Weight
MMX31230	Minima Inner Corner 1200mm	41.4kg
MMX31570	Minima Inner Corner 1500mm	51.0kg
MMX32730	Minima Inner Corner 2700mm	87.2kg
MMX10038	Minima Corner Bolt	0.7kg

Adjustable Alignment Clamp



Code	Description	Weight
MMX10002	Minima Adjustable Alignment Clamp	5.18kg

Alignment Clamp



Code	Description	Weight
MMX10003	Minima Alignment Clamp	3.36kg

Components

Wedge Clamp



Code	Description	Weight
MMX10028	Minima Wedge Clamp	3.37kg

Access Bracket



Code	Description	Weight
MMX10006	Minima Access Bracket	13.35kg

Waler Plate



Code	Description	Weight
MMX10008	Minima Waler 80	6.3kg
MMX10009	Minima Multi Purpose Waler 100	13.1kg
MMX10016	Minima Waler Bolt D20	-
MMX10022	Minima Waler Plate 220	2.37kg
MMX10031	Minima Waler Tie 500	1.01kg

Components

Edge Tie Bearing



Code	Description	Weight
MMX10023	Minima Edge Tie Bearing	2.3kg

Plates



Code	Description	Weight
MMX10018	Minima Plate 8/8	2.6kg
MMX10030	Minima Plate Washer	0.51kg
BNX20022	75 x 75 x 6 x 12dia plate washer	0.05kg
MXX10012	Ground Plate 5 x 12	0.67kg
MXX10043	Maxima Tie Plate 15	1.1kg

Accessories - Tie Rod



Code	Description	Weight
MMX10007	Minima Guard Rail Post	4.26
MMX10010	Minima Waler Tie 300	0.73kg
MMX10020	Minima Tie Nut Ratchet	-
MMX10024	Minima AZ Tie Rod 75	-
MMX10025	Minima AZ Tie Rod 100	-
MMX10026	Minima Strut Base Joint	-
MMX10027	Minima R Strut Connector	7.6kg
MMX10029	Minima Soldier Connector	0.99kg
SSX10046	Superslim 19mm Pin & R Clip	0.29kg

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Components

Accessories - Nuts & Bolts



Code	Description	Weight
MMX10004	Minima Tie Nut	-
MMX10010	Minima Waler Tie 300	0.73kg
MMX10011	Minima Tension Nut	-
MMX10012	Minima Tension Bolt 190	0.96kg
MMX10013	Minima Centering Nut	0.81kg
MMX10014	Minima MP Bolt	0.59kg
MMX10015	Minima MP Nut	0.46kg
MMX10019	Minima Hexagon 15/50	-
BTX10017	Rapid Tie Hex Nut	0.16kg

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Services

Our service sets us apart...

With over 85 years of experience in the temporary works industry we 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

Our sales team comprises a vast wealth of experience in the sector, helping us to understand your challenges and the opportunities to save you time and money.

Engineered Drawings

You will be provided with technical recommendations and layout drawings showing a level of detail sufficient to enable straight forward on-site erection. For specifically fabricated items comprehensive operating instructions will be provided.

Customer Service

We work with customers on all scale of projects and as such recognise that your requirements are all different. We provide a level of customer service to suit your requirements ranging from on site training to simple reordering of replacement parts.

Technical Expertise

Every project, large or small, requires unique system design. Our highly skilled team of engineers and technical experts will understand first your requirements, and provide a solution designed to exceed these. We do this through approaching projects with an open mind and a desire to provide the most appropriate solution.

Safety

RMD Kwikform prides itself on the inherent safety of our products and the solutions that we design. The construction industry's greatest asset is its people and we design schemes and solutions with this in mind at all times.



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