



Bringing
structures
to life



PRODUCT BROCHURE

Airodek

RMD Kwikform South Africa

Airodek A lightweight, versatile soffit formwork system



Product Overview

The Airodek system of lightweight aluminium panels and adjustable props means 30% less weight and 40% fewer parts than conventional steel props and timber, and 25% less weight than other systems using primary beams and panels. All of which saves time, labour and cost.

Faster

- Light and easy to handle
- Quick to strike speeding cycle times and reducing costs
- Easy to assemble
- Very few connecting parts

Safer

- Can be erected from below the soffit level reducing working at height requirements
- Unique crown component secures panels in place at the corners creating a secure connection
- Neatly stacks into stillage for safe transportation

Easier

- Full range of accessories makes this a very versatile soffit support system
- Powder coated aluminium frames reduce concrete adhesion making maintenance on site easier
- Can be used with props, decking or customer's own shoring systems



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Application & Options

Airodek is a lightweight soffit formwork system which has been designed for easy assembly, transportation, storage and maintenance. It comes in 3 variants.

Application

- Soffit formwork - suitable for a range of concrete slabs up to 450mm thick.

Variant 1 Props and Panels

- The panels are supported by the crowns and props. The whole system is struck once the concrete has gained sufficient strength.

Variant 2 - Panels, Deck Beams, Dropheads and Shoring

- A quick strip system, where the panels and deck beams are removed during the early stages of curing, whilst the dropheads and shoring remain undisturbed to support the concrete.

Variant 3 - Skeletal System

- The deck beams sit in the drophead and the Airodek soffit beam spans between the deck beams supporting the plywood. The deck beams and soffit beams can be struck and removed, leaving the plywood supported by the dropheads and shoring.



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Features & Benefits

Innovative Design

Airodek is based on a single principle - simplicity. Airodek has been designed for easy assembly, transportation, storage and maintenance.

■ Lightweight

A single operator can easily and safely handle all the equipment reducing labour times for erection and dismantling.

■ Erected from below the soffit

Panels and beams can be erected from below the soffit reducing working at height issues.

■ Quick Strike pin

Standard props have a quick strike pin which releases the load with a single hammer blow. This increases productivity and reduces noise pollution.

■ Useful Accessories

Spacing gates and legs provide stability prior to placing infills to columns.

■ Unique Crown

The unique crown component securely locates the corners of upto four panels simultaneously ensuring panels cannot be easily dislodged.

■ Safety Upstands

Plastic upstands on decking beams provide secure location points and prevent the unintentional dislodging of panels.

■ Infill bracket & support block

Removes the necessity for additional propping adjacent to existing walls where panels don't quite reach.



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Features & Benefits

Innovative Components

■ **Drop-head - 1**

Quick strike system lowers the decking beams by 70mm to enable the panels to be removed & re-used whilst leaving the soffit propped.

■ **Drop-head - 2**

Unique propeller locks the decking beam in place to avoid accidental dis-lodging during high winds.

■ **Lightweight**

All components in the prop & panel system are under 25kg making them ready for man handling.

■ **Easy handling**

The largest panel has twin grab handles to facilitate easy handling.

■ **Prop markings**

Blue band on prop indicates correct height to fit spacing gates so that support leg works - no measurement required.

■ **Base jack**

Drophead, perimeter u-head and crown are all designed to support the decking beams without differing adjustments to height of jack at the base.

■ **2 sizes of Infill beams**

Neatly removes the necessity for additional timber support to the plywood used at infill positions.



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In Detail

Easy To Use



Increased Productivity

Fast, one man fix and strike provides record breaking on-site productivity.



Easy to Use

The Airodek infill bracket and support block is for use in conjunction with the Airodek crown, providing support for aluminium or timber beams in a close to wall situation where other supports, like props, would be difficult to use.



Quick Strike

A single hammer blow to the quick strike pin releases the load in the props by lowering the crown and the panel by 4mm which is sufficient to release the formwork panels.



Fewer Components

Airodek has fewer components than other soffit support systems. This reduces storage, handling, maintenance and transport costs.



Lightweight

Lightweight aluminium panels and adjustable props means 30% less weight and 40% fewer parts than conventional steel props and timber, and 25% less weight than other systems using primary beams and panels.



Always Stable

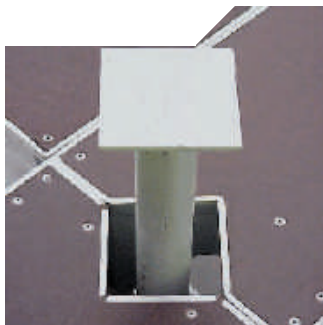
Specially designed crown component, spacing gates, legs and upstands provide safety and stability.

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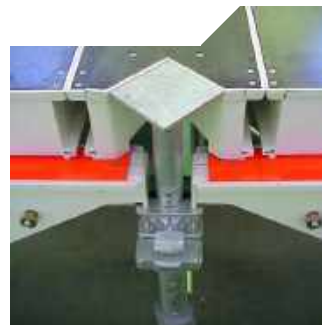
In Detail

Safe & Secure



Maximum Reuse

Drophead panel is notched around the prop head plate, maximising re-use of panels and beams.



Slab Supported After Striking

Release of the striking plate lowers panels and beams by 70mm, whilst the drophead maintains contact with the underside of the slab.



Versatile

The striking plate on Airodek dropheads is capable of being either set or released from either side of the prop.



Built in Safety

The airodek drophead includes a safety catch that prevents accidental striking

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Projects



PROJECT
ALDAR Headquarters Building

REGION
MENA

STRUCTURES
Commercial



PROJECT
Isokon Building Glasgow

REGION
Europe

STRUCTURES
Hi-Rise



PROJECT
Texas Longhorns' new stadium

REGION
Americas

STRUCTURES
Stadiums

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Components

Panels



Code	Description	Weight
ADX18030	Panel 1800mm x 300mm	12.8kg
ADX18060	Panel 1800mm x 600mm	18.6kg
ADX18090	Panel 1800mm x 900mm	25.2kg
ADX09060	Panel 900mm x 600mm	10.5kg
ADX09090	Panel 900mm x 900mm	14.0kg
ADX09030	Panel 900mm x 300mm	6.9kg

Decking Beams



Code	Description	Weight
ADX33000	Airodek Decking Beam - 3000mm	23.0kg
ADX32400	Airodek Decking Beam - 2400mm	18.3kg
ADX31800	Airodek Decking Beam - 1800mm	13.6kg

Infill Beams



Code	Description	Weight
ADX20003	Airodek Infill Support - 1800mm	10.1kg
ADX20004	Airodek Infill Support - 900mm	7.3kg
ADX20022	Airodek Steel Infill Support - 900mm	5.7kg
ADX20023	Airodek Infill Support - 1800mm	12.0kg

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Components

Infill Bracket and Support Block



Code	Description	Weight
ADX20026	Airodek Infill Bracket	2.02kg
ADX20027	Support Block	0.81kg

Drophead



Code	Description	Weight
ADX30001	Airodek Drophead	7.97kg
RSX10009	Rapidshor Sleeve Clip	0.09kg
ADX30003	Airodek Drophead Panel 1800mm	13.0kg
ADX30004	Airodek Drophead Panel 900mm	7.14kg
ADX10004	Drophead Guardrail Socket	8.4kg
ADX10016	Airodek to Alshor Drophead	8.5kg

Drophead Adaptors



Code	Description	Weight
ADX30002	Airodek Alshor Adaptor	3.98kg
ADX10003	Airodek Rapidshor Adaptor	2.29kg
ADX10011	Airodek Universal Adaptor	3.27kg

Components

HD Crown and Sleeve Clip



Code	Description	Weight
ADX20015	Airodek HD Crown	1.3kg
RSX10009	Rapidshor Sleeve Clip	0.09kg
ADX20011	Airodek Prop Head Timber Support	0.50kg
ADX20002	Airodek Crown 'D' Pin	0.1kg

Props



Code	Description	Weight
ADX20005	Prop size 2150 - 3520mm	22.5kg
ADX20012	Prop pin	0.8kg
ADX20013	Airodek Temporary Prop	4.44kg
ADX10017	Airodek Back Prop Top Plate	0.5kg
ADX10018	Airodek Back Prop Adapter	2.1kg
ADX20024	Airodek Prop Assembly	24.0kg
ADX20025	Airodek Prop Head Adaptor A.P	0.9kg

Restraints



Code	Description	Weight
PSX10008	Paraslim Tilt Plate	2.3kg
SSU10019	Corner Pivot	7.29kg
ADX20019	Airodek Upper Restraint Unit	1.4kg
ADX20020	Airodek Lower Restraint Unit	4.8kg
AFX20013	Alform Splice Clamp Block	0.09kg
ADX10001	Web Strap 6cm c/w Ratchet	1.8kg
ADX10002	Web Strap 8cm c/w Ratchet	2.0kg
FAU10053	HSB Excalibur 12 x 75	4.3kg
BNU20015	Bolt M20 x 100 Gd 8.8	0.32kg
BNU12001	Nut - M12 Hexagon	0.01kg

Components

Spacing Gate



Code	Description	Weight
ADX20007	Spacing Gate 1.8m	9.8kg
ADX20041	Spacing Gate 1.1m	7.5kg
ADX20006	Spacing Gate 0.9m	6.9kg
ADX20025	Airodek Prop Head Adaptor A.P	0.9kg

Guardrail Accessories



Code	Description	Weight
ADX10004	Handrail Bracket Drophead	8.12kg
ADX20018	Airodek Crown Guardrail Socket	5.81kg
ADX20016	Handrail Socket	6.11kg
ADX20021	Airodek Handrail Post	7.50kg

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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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