

SANCTUARY ENCES AND GATES

ADVANTE SERIES GATE SYSTEM

ISSUE 2-19 v1

Advante Series Gate System

Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents.

For more than 25 years we have been at the forefront of specialist aluminium door and window products suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and internal doors.

The Juralco Advante Gate system is designed to provide an economical, light weight secure gate system manufactured from corrosion proof aluminium extrusion.

> This Guide is intended for use by Architects, Specifiers and Fabricators. See index page 3

General Description

- This Gate system is constructed completely from Aluminium extrusions
- A variety of Hinges and Lockware is available for differing uses.
- Gates come as fully welded pre-constructed panels, 1200, 1500 and 1800mm high which are cut to the required length.
- Powder coated to the colour of your choice.



Single Hinged Gate shown with NICE Automation

Cover: Double Hinged Gate shown with NICE Automation

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Advante Series Gate System

masterspec partner
Section 8432JS

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Important information - Powder Coating systems.

<u>Powdercoat Systems</u> The new standard Dulux powder coating system used by Juralco is Duralloy Plus[®]. Also Duralloy[®] and Duratec[®]. Juralco Powder coated prices are for Duralloy Plus[®] and Duralloy[®] (same pricing). Duratec[®] prices on application. The following specs apply to Building Exteriors.

- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level. Residential and Light commercial buildings, 3 levels max. Warranty 15 yrs
- Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level All Residential and Commercial buildings. Warranty 25 yrs.

Attachment to structures A PVC Tape or similar material spacer must be used to separate powder coated aluminium items from all concrete and steel structures. Failure to do so can lead to the chemicals in the structure affecting the powder coating, leading to corrosion.

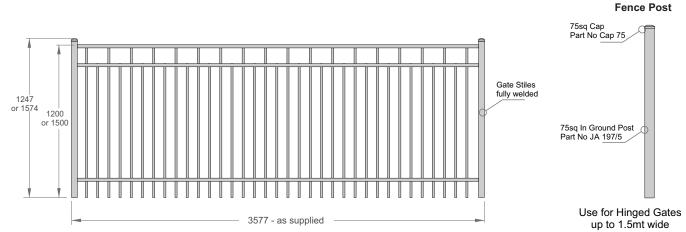
<u>Swimming Pools</u> The chlorinated water in swimming pools can cause the deterioration of powder coated surfaces, leading to corrosion of the underlying surface. It is recommended that Powder coated surfaces be 1200mm min from a pool.

<u>Care</u> The Dulux powder coating warranty period is conditional upon the surface being maintained in accordance with the Dulux 'Care and Maintenance Instructions'. Download from Dulux or refer to the back page of this manual.

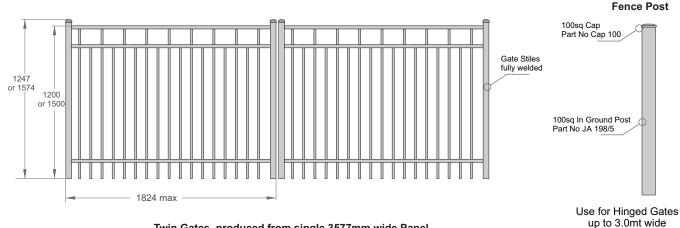
Advante Series Gate System - Panel Packages 1200mm and 1500mm

Hinged Advante Gate Panels 1200mm and 1500mm

The Advante Gate Panels shown are the maximum size. Available as 1.2mt and 1.5mt high panels Panels cut down to your requirements complete with 50.7mm fully welded gate stiles at each end. Construction the same as Fence panels. Hinges, components - your choice.



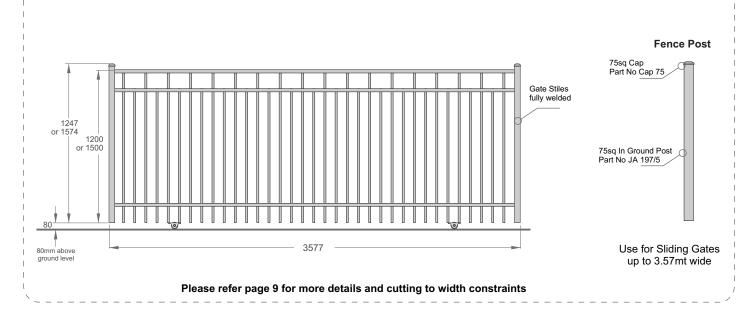
Single Gate. Max recommended width 3000mm Also available as Half Width Panel - maximum width 1824mm



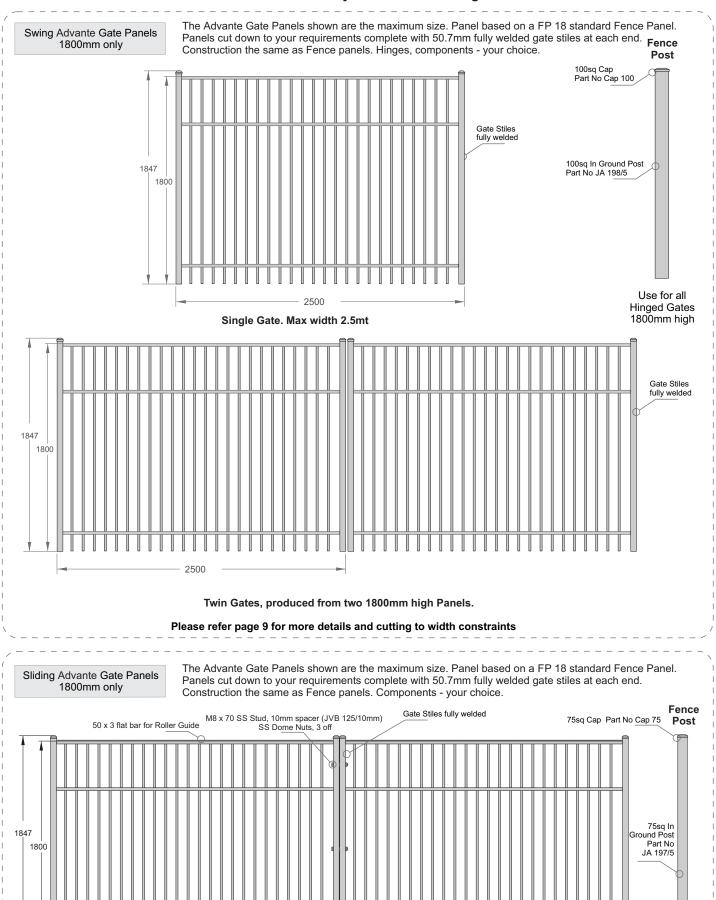
Twin Gates, produced from single 3577mm wide Panel.

Sliding Advante Gate Panels 1200mm and 1500mm

The Advante Gate Panels shown are the maximum size. Available as 1.2mt and 1.5mt panels Panels cut down to your requirements complete with 50.7mm fully welded gate stiles at each end. Construction the same as Fence panels. Components - your choice.



Advante Series Gate System - Panel Packages 1800mm



Please refer page 9 for more details and cutting to width constraints

5010 max

ground level

Use for all

Sliding Gates

up to 5mt wide

Advante Series Gate System - Panels

1.2 mt high, Hinged Single Gate, Custom width Part No JGF/ECFG/SGL/1.2



Gate produced from single 3577mm wide Panel. Max recommended width 3000mm

1.2 mt high, Hinged Double Gate, Custom width Part No JGF/ECFG/DBL/1.2



Twin Gates, produced from single 3577mm wide Panel. Each Gate max width 1824mm

1.2 mt high, Hinged Single Gate, Custom width Part No JGF/ECHG/SGL/1.2



Single Half Panel Gate, max width 1824mm

1.2 mt high, Sliding Gate, Custom length Part No JGF/ECSG/1.2



Max length 3577mm

1.5 mt high, Hinged Single Gate, Custom width Part No JGF/ECFG/SGL/1.5



Gate produced from single 3577mm wide Panel. Max recommended width 3000mm

1.5 mt high, Hinged Double Gate, Custom width Part No JGF/ECFG/DBL/1.5



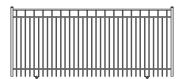
Twin Gates, produced from single 3577mm wide Panel. Each Gate max width 1824mm

1.5 mt high, Hinged Single Gate, Custom width Part No JGF/ECHG/SGL/1.5



Single Half Panel Gate, max width 1824mm

1.5 mt high, Sliding Gate, Custom length Part No JGF/ECSG/1.5



Max length 3577mm

1.8 mt high, Hinged Single Gate, Custom width Part No JGF/ECFP/SGL/1.8



Gate max width 2500mm. Max Recommended width 2010mm

1.8 mt high, Hinged Double Gate, Custom width Part No JGF/ECFP/DBL/1.8



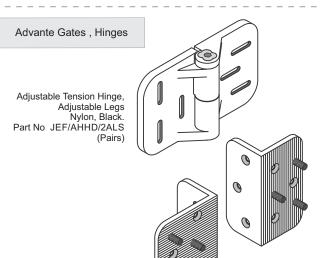
Each Gate max width 2500mm. $\underline{\text{Max recommended width 2010mm}}$. 10mm Gap at centre.

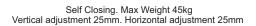
1.8 mt high, Sliding Gate, Custom length Part No JGF/ECSG/FP/1.8



Max length 5010mm

Advante Series Gate System - Hinged Gates

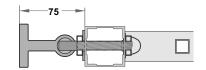






Hinge 13mm dia. Aluminium/PC Part No G13 (Nylon Bush included)





Standard Hinge Gap G13 + G14 SS Hinge

For all above refer to Manufacturers data for correct installation procedures

Advante Gates, Hardware

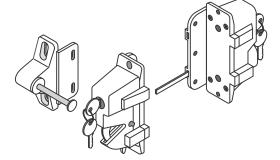
This Lockware NOT suitable for Pool gates



Gate Handle Nylon, Black Part No JEF/GH



Side Pull Latch Nylon, Black Part No JEF/SP



Universal Drop Latch and Striker Nylon, Black. (External Access) Part No JEF/DLEA/ESP



Soft Gate Stop Nylon, Black. Part No JEF/GS



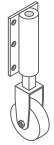
Parking Latch Nylon, Black. Part No G21



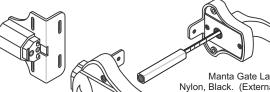
Universal Drop Latch and Striker Nylon, Black Part No JEF/DL



Drop Bolt 610mm OA, Part No JEF/DB/610



Hinged Gate Support Wheel Part No JGF/G02/EGW



Manta Gate Latch Nylon, Black. (External Access) Part No JEF/MILL

- Double Sided Gravity Latch
- Not suitable for Pool gates
 JEF/MILL/COVER. Optional Armour cover available

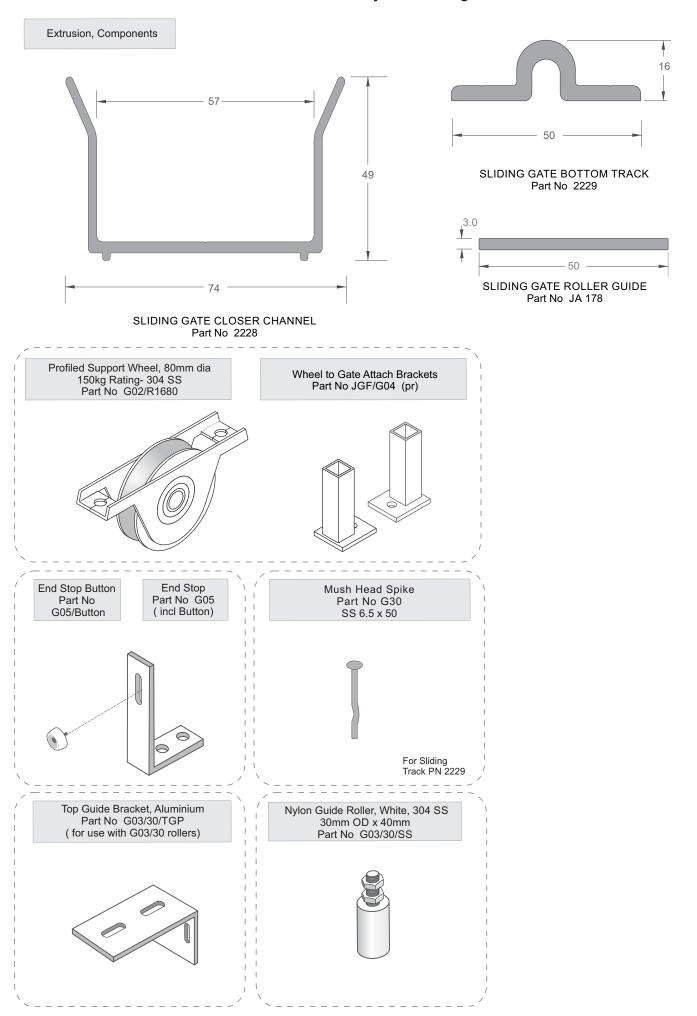


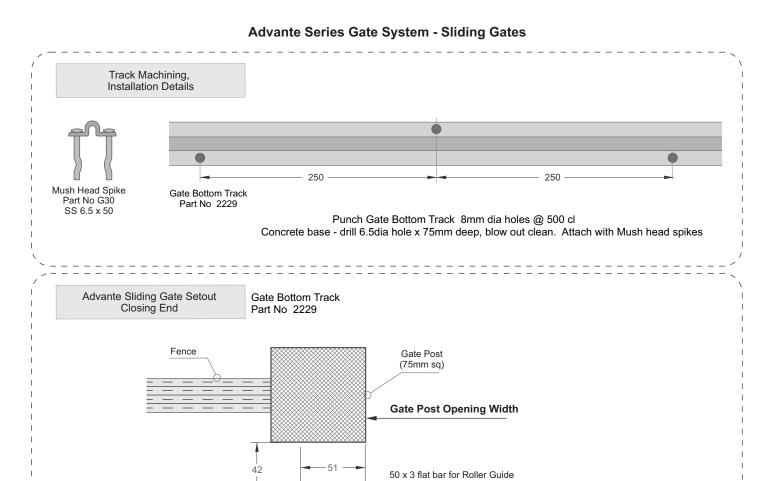
Drop Bolt Base Part No

For all above refer to Manufacturers data for correct installation procedures

All for separate ordering, not included with Gate order

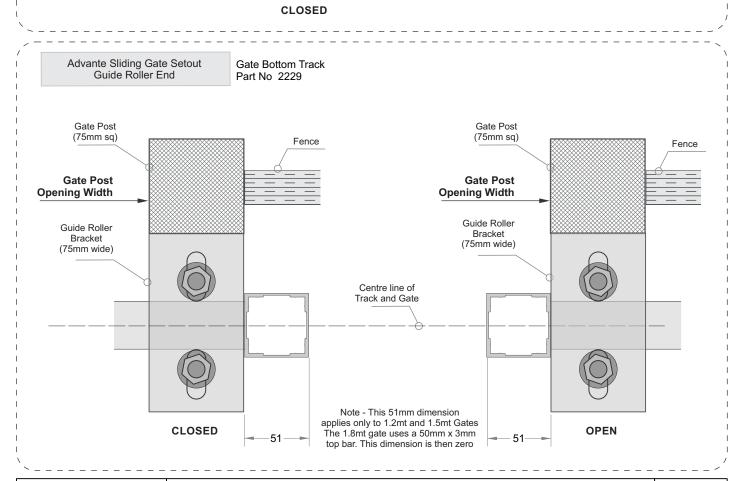
Advante Series Gate System - Sliding Gates





(For use with 1.8mt high only)

Centre line of Track and Gate



Closing Channel

Important Note:

Please refer to the Architectural Series S Gate System (ie Sancturary Gate) for more details re Sliding and Hinged Gate motorisation

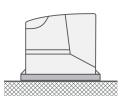
Solar Power System

Solar Power - Solemyo System

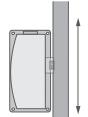
- Solemyo is a solar power system to automate sliding or hinged gates on sites that are far away from a mains power source
- Comes with a Photovoltaic panel for 24V supply and a 24V power storage battery for continuous supply throughout the day.
- Able to be installed virtually anywhere, no need for power connections or excavations. Great for remote locations or sites where mains power access is difficult.

Sliding Gate, Robus System

- The Robus system consists of a geared motor incorporating a rack and pinion drive, used to automate large sliding gates for residential use.
- Controls include a range of wireless devices and/or photocells.
- Safety is maximised with obstacle detection and programmed acceleration and closing speeds.
- Twin sliding gates opening and closing are synchronised.
- A special key can be used to enable manual operation in the event of power failure or an optional battery pack can be included as power backup inside the motor enclosure.
- This system can handle gates up to 5.5mt wide.

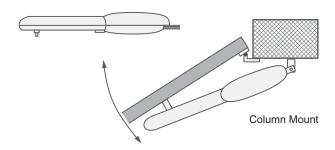






Hinged Gate, Wingo System

- The Wingo system consists of a geared motor incorporating a worm drive, used to actuate larger swing gates for residential use.
- Controls include a range of wireless devices and/or photocells.
- Safety is maximised with obstacle detection and programmed acceleration and closing speeds.
- Twin swing gates opening and closing are synchronised.
- A special key can be used to enable manual operation in the event of power failure or an optional battery pack can be included as power backup inside the motor enclosure.
- There are two systems available, one can handle gates up to 2mt wide ,while the other can handle gates up to 3.5mt wide.



 Not recommended for full Slat or Louvre infills, especially where wind is a factor - contact Juralco for further information

Remote Controls and Accessories

All the above systems can be integrated with a variety of remote and security controls. Please refer to the manufacturers calalogue. Pictured below only some possibilities...



SOLEYMO Solar Kit Part No JNICE/SYKCE



Audio Intercom

Part No JNICE/AUDIOKIT
Note: Range to 100m using CAT 6 wiring





Video Intercom
Part No JNICE/VIDEOKIT
Note: Range to 100m using CAT 6 wiring



Remote Controller Part No JNICE/FLO2RE



Surface Mount
Photocells
Part No JNICE/EPMB



Digital Switch
Part No JNICE/EDSW

Advante Series Gate System - Econo Gate - Setouts

Advante Gate Panel Packages

These Panels are the Maximum size. Width includes both Gate Posts. Panels cut down to your requirements complete with posts at each end. Construction the same as Fence panels. Hinges, components, your choice.

Standard Larger **Swing Gate** packages

- Single gate, recommended max width 3.0mt
- Twin Gates each with a max width of 1824mm
- Two gates of differing widths. ie Single gate 2.6mt and a pedestrian gate of 900mm

Standard Small Swing Gate packages

- Single gate, max width up to 1824mm

Standard Sliding Gate packages,

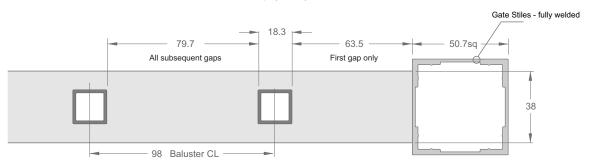
- Single gate, max width up to 3577mm.

Please note - all panels square only - no raked panels

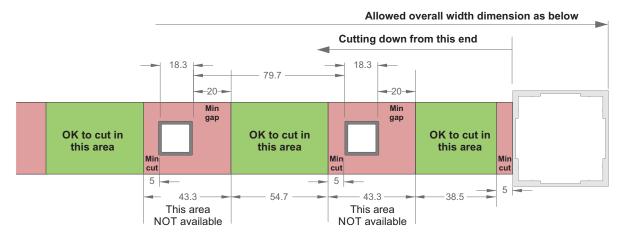
Advante Gate **Cutting Constraints**

Cutting panels to custom lengths have the following constraints.

- 1 Minimum Gap Baluster to End Post 20mm to enable welding of Gate stile
- 2 Minimum cut to Baluster 5mm to physically make a cut



Standard panel as received - Note: First Gap slightly smaller Width/ Gap Tolerances +/- 3mm



Allowed Overall Widths (including both 50.7mm Gate stiles) - These Widths OK From - To mm

Please note - these are calculated only - Manufacturing tolerances may vary these From - To points a little

OK From	594	692	790	888	986	1084	1182	1280
OK To	648	746	844	942	1040	1138	1236	1334
OK From	1378	1476	1574	1672	1770	1868	1966	2064
OK To	1432	1530	1628	1726	1824	1922	2020	2118
OK From	2162	2260	2358	2456	2554	2652	2750	2848
OK To	2216	2314	2412	2510	2608	2706	2804	2902
OK From	2946	3044	3142	3240	3338	3436	3534	
OK To	3000	3098	3196	3294	3392	3490	3572	

ie: A complete Gate Panel (incl 50.7mm Stiles) can be 594mm to 648mm wide, but cannot be 649mm to 691mm wide

Advante Series Gate System - Check List

Level or sloping site

-Fall (in mm) across gate opening

Existing posts or pillars

- -Top of posts/pillars level
- -Suitable for gate attachment

Gate type

- -Swing (hinged) or sliding
- -Design
- -Weight

Sliding gate

- -Is driveway surface curved or flat
- -Sufficient space for track
- -Obstructions eg. pedestrian gate or letterbox
- -Hardware: eg. Roller guides and brackets, gate end stop, fixings for Double Panel
- -Automation required?
 - Existing power to gate
 - Distance from power source (house/garage) to gate
 - Position of motor
 - Safety photocells required
 - Accessories eg, keypad, intercom, back up battery, aerial, additional transmitters (remotes), solar panel
 - Fixing and Alignment of Automation hardware

Swing gate:

- -Single or double leaf
- -Ground clearance required
- -Rising ground on opening arc
 - Rising hinges required note weight limitations
- -Specify suitable posts
- -Hardware: eg drop bolt, latch, centre stop if double swing gates; gate end stops
- -Automation required?
 - Existing power to gate
 - Distance from power source (house/garage) to gate
 - Safety photocells required: single or double set (additional short posts for double set)
 - Gate locks magnetic or electronic, vertical or horizontal
 - Accessories eg, keypad, intercom, back up battery, aerial, additional transmitters (remotes), solar panel



Advante Series Gate System - Hinged Gate Worksheet/Order Sheet Juralco Aluminium Building Products Ltd, 48 Bruce McLaren Rd, Henderson, Auckland Phone: (09) 478 8018 Fax: (09) 478 7883

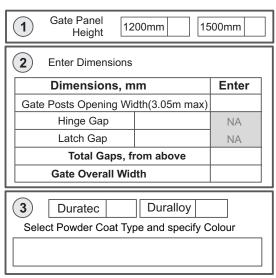
Customer Name
Address
Delivery Address
Phone No
This confirmation box to be completed by Juralco Job No
Total unit Price (packed for despatch) \$ + GST Proposed Delivery Date

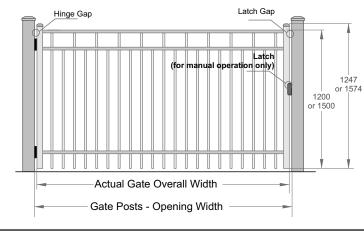
Advante Hinged Gate System - 1200mm and 1500mm Panels

Single Leaf Worksheet

- Maximum Single Gate Width from a Half Panel = 1824mm
- Allow for gate sag, up to 20mm at 3m wide
- All Hardware + Fence Posts and Caps + Gate automation (if needed) to be ordered separately

Gate viewed from Roadside





4 Gate Operation

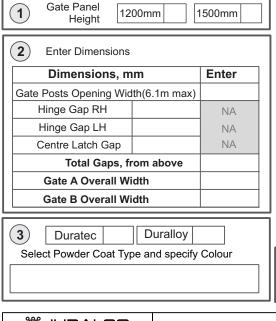
Manual WINGO Motor

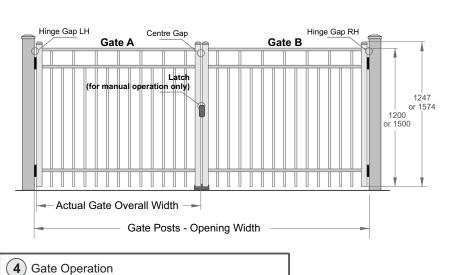
Latch or Motor - Install Side as viewed from Roadside

Double Leaf Worksheet

- Maximum Single Gate Width from a Half Panel = 1824mm
- Allow for gate sag, up to 20mm at 3m wide
- Centre Gap, 10mm recommended
- All Hardware + Fence Posts and Caps + Gate automation (if needed) to be ordered separately

Gates viewed from Roadside





WINGO Motors x 2

Manual

Advante Series Gate System - Hinged Gate Worksheet/Order Sheet Juralco Aluminium Building Products Ltd, 48 Bruce McLaren Rd, Henderson, Auckland Phone: (09) 478 8018 Fax: (09) 478 7883

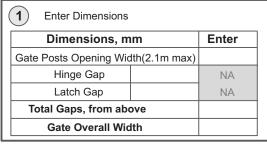
Customer Name	Date
Address	
Delivery Address	
Phone No Contact	Order No Job No
This confirmation box to be completed by Juralco	Job No
Total unit Price (packed for despatch) \$	+ GST Proposed Delivery Date

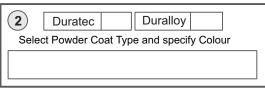
Advante Hinged Gate System - 1800mm Panels only

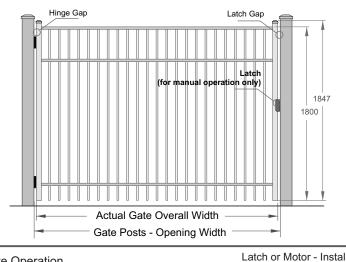
Single Leaf Worksheet

- Maximum Single Gate Width 2500mm. 2.01m Max recommended
- Allow for gate sag, up to 20mm at 2.5m wide
- All Hardware + Fence Posts and Caps + Gate automation (if needed) to be ordered separately

Gate viewed from Roadside







3 Gate Operation

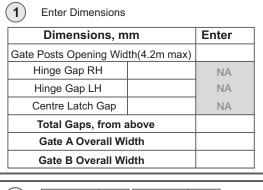
Latch or Motor - Install Side as viewed from Roadside

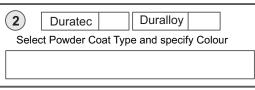
RH LH

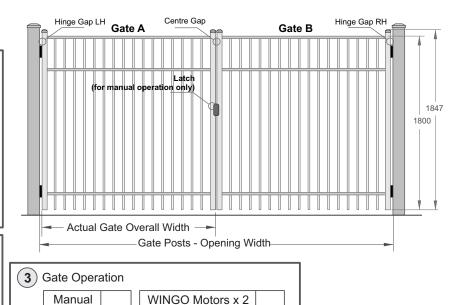
Double Leaf Worksheet

- Maximum Single Gate Width 2500mm. 2.01m Max recommended
- Allow for gate sag, up to 20mm at 2.5m wide
- Centre Gap 10mm recommended
- All Hardware + Fence Posts and Caps + Gate automation (if needed) to be ordered separately

Gates viewed from Roadside







#JURALCOwww.juralco.co.nz ph (09) 478 8018

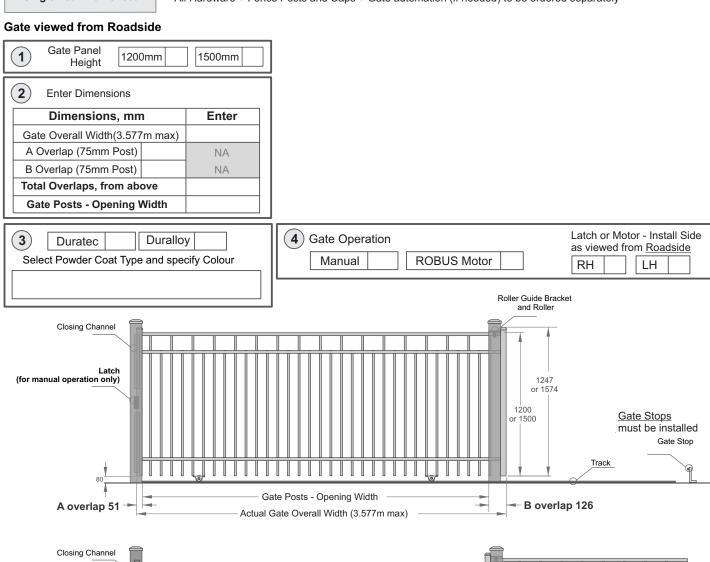
Advante Series Gate System - Sliding Gate Worksheet/Order Sheet Juralco Aluminium Building Products Ltd, 48 Bruce McLaren Rd, Henderson, Auckland Phone: (09) 478 8018 Fax: (09) 478 7883

Customer Name				
Address				
Delivery Address				
Phone No				
This confirmation box to be completed by Juralco Job No				
Total unit Price (packed for despatch) \$ + GST Proposed Delivery Date				

Advante Sliding Gate System - 1200mm or 1500mm high Panels

Single Leaf Worksheet

- Maximum Single Gate Panel Width = 3.577m
- All Hardware + Fence Posts and Caps + Gate automation (if needed) to be ordered separately





Juralco Advante Gate System - Sliding Gate Worksheet/Order Sheet Juralco Aluminium Building Products Ltd, 48 Bruce McLaren Rd, Henderson, Auckland Phone: (09) 478 8018 Fax: (09) 478 7883

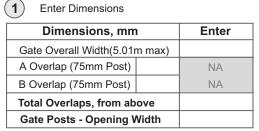
Customer Name	Date
Address	
Delivery Address	
Phone No Contact Order N	lo Job No
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Total unit Price (packed for despatch) \$+ C	SST Proposed Delivery Date

Advante Sliding Gate System - 1800mm high Panels only

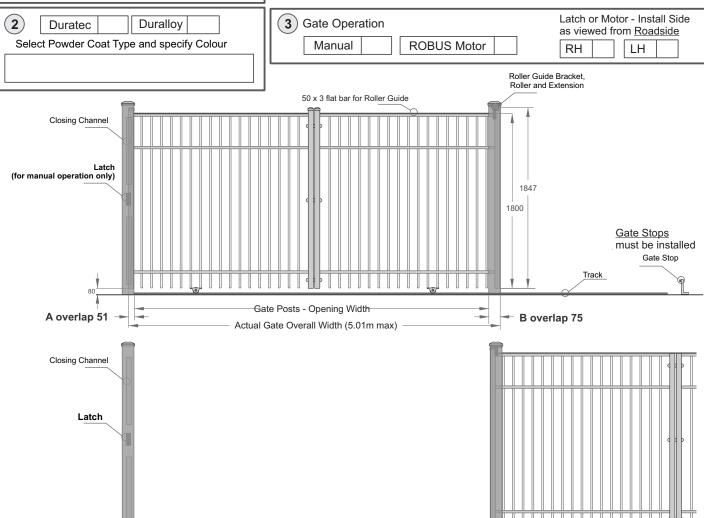
Single Leaf Worksheet

- Maximum combined Gate Panel Width = 5.01m
- All Hardware + Fence Posts and Caps + Gate automation (if needed) to be ordered separately

Gate viewed from Roadside



51mm recommended 75mm recommended



Advante Series Gate System - Powder Coating Care and Maintenance

Powder Coating Installation Care

Warning re use of solvents:

- In some cases strong solvents are recommended for thinning various types of paints and also for cleaning up mastics and sealants.
- These can be harmful to the extended life of the powder coated surface, and must not be used for cleaning purposes.
- It is important to note that the damage will not be visible immediately and may take up to I2 months to develop.

If paint splashes or sealants and mastics need to be removed then the following may be safely used: Methylated Spirits, Ethyl Alcohol, Isopropanol or preferably a mild detergent in warm water.

Joinery Protection during Installation:

All the activity on a construction site means that your powder coated items may get knocked or scratched, splattered with mortar, plaster, textured coating or paint during the later stages of construction.

Please ensure that all powder coated articles are <u>masked or covered</u> at this time. It is far easier to prevent accidents than to try and correct them. Should your joinery receive mortar or paint splashes see that these are removed before cure and follow the instructions contained in this brochure.

Typical sticker used to warn other trades of the need to protect and mask off powder coated joinery (applies to anodised joinery also)

"IMPORTANT ALL TRADES"

This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down joinery with water or meths - Do not allow splashes to harden! ~ Do not use solvents! - Do not remove this label until final clean completed.

This photograph display damage that has occurred on site, post installation. The photo of the masked joinery displays clear signs of damage that could have occurred were it not masked. Please ensure that your joinery is protected right through the entire construction process.



Powder Coating Maintenance

External - Maintenance Program:

To extend the life of external powder coated articles and to comply with warranty requirements for powder coated aluminium joinery, a <u>simple, regular</u> maintenance program must be implemented.

The effects of ultra violet light, atmospheric pollution, dirt, grime and airborne salt deposits will all accumulate over time and must be removed or surface staining and weathering will occur, leading to an unsightly appearance.

For external coatings, cleaning should take place every six months. In areas where pollutants are more prevalent, such as beachfront houses and industrial or geothermal areas, then a cleaning program should be carried out on a more frequent basis ie. every one to three months.

Fences or Balustrades in close proximity to swimming pools <u>must</u> be washed down every six months, to clean off chlorine and salt deposits.

Cleaning your powder coating:

- 1. Carefully remove any loose surface deposits with a wet sponge.
- 2. Use a soft brush (non abrasive) and a mild household detergent (do not use solvents) in warm water, remove dust, salt and other deposits.
- 3. Rinse off with clean fresh water.

Restoring weathered or scratched surfaces:

Repair of Scuffed or Scratched surfaces

Dulux Spray Cans are available in all colour card colours.

Repair of Small Scratches or Chips.

Dulux Dabsticks are ideally suited for the repair of small scratches.

Dabsticks may not be available in all colour card colours.

Repair of Weathered areas .

Dulux Gloss Up is a light to medium cutting cream ideally

suited for gloss restoration and has been specifically designed for this purpose.

Gloss Up contains no waxes or silicone and is a one step system.

Contact Dulux Powder Coatings, ph 0064 9 441 8244



