



# JURALCO GLASGLIDE™ FRAMELESS GLASS SLIDING PANEL SYSTEM


ISSUE 6-24 v1

## Juralco GlasGlide™ Frameless Glass Sliding Panel 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 GlasGlide system is a modern Sliding Frameless Glass Door System suitable for 10 and 12mm Toughened Glass. With a concealed twin roller carriage mechanism and a low profile track design (only 62mm high) it provides space saving technology while still allowing glass doors to move smoothly and safely. The twin clamp roller mechanism means that glass preparation is greatly reduced and panels weighing up to 150 kgs can be moved effortlessly. GlasGlide can be either top or side fixed and used in a single panel door or door and fixed sidelight configuration.

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# Juralco Aluminium Building Products Ltd (JABP)

## Specifications for Juralco GlasGlide™ Frameless Glass Sliding Panel System

### 1. Scope

- This specification details the documents the Juralco GlasGlide™ Frameless Glass Sliding Panel System refers to, in relation to the New Zealand Building Code, the manufacturer's documents, products used in the System and requirements in relation to fixing and surface finishing

### 2. NZBC Compliance.

- The Juralco GlasGlide™ Frameless Glass Sliding Panel System has been reviewed by Lautrec Technology Group Ltd to demonstrate compliance with the structural requirements of the New Zealand Building Code, B1 Structure, B2 Durability (15 yrs), F2 Hazardous material and in particular:  
AS/NZS 1170.0-2002 Structural Design Actions-Part 0: General Principals  
AS/NZS 1664.1:1997 Aluminium structures limit state design  
NZS4223.3:2016 Glazing in buildings - Human impact and safety requirements  
NZS4223.4:2008 Glazing in buildings  
Note: The Juralco Glaslide™ Frameless Glass Sliding Panel System is NOT a barrier for Safeguard from Falling (F4)  
Note: This Door CANNOT be considered as an access route as detailed in Building Code Clause D1 Access Routes

### 3. Manufacturer's Documents

- The Juralco GlasGlide™ Frameless Glass Sliding Panel System manual details all extrusions and components used for the fabrication and installation/fixing of the system
- A Producer Statement 1(Design) is available.  
Copies of the above documents are available from:  
Juralco Aluminium Building Products Ltd  
48 Bruce McLaren Rd, Henderson, Auckland  
Phone 09 478 8018 Fax 09 478 7883 Email specify@juralco.co.nz
- Any deviation from the standard fabrication or installation/fixing must be accompanied by a site specific PS1 with site specific calculations and drawings

### 4. Products

- Only extrusions, components and hardware supplied by or specified by JABP may be used in the Juralco GlasGlide™ Frameless Glass Sliding Panel System
- Aluminium extrusions, components and hardware – unless specified are manufactured to 6060 T5 specifications
- Stainless Steel components, hardware, fixings – all components to 316 grade

### 5. Surface Finishing

- Juralco Aluminium Building Products Ltd is a Dulux Registered Applicator site, registration number 2101.  
JABP uses only Dulux branded powder coating materials
- Dulux Duralloy® powder coating systems are suitable for properties greater than 100m from high tide level  
AAMA 2603 performance. Residential buildings, 3 levels max. Warranty 10 yrs
- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level.  
AAMA 2603 performance. 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  
AAMA2603 and 2604 performance. All Residential and Commercial buildings. Warranty 25 yrs

### 6. Installation and Fixing

- The Juralco GlasGlide™ Frameless Glass Sliding Panel System must only be installed in accordance with the Juralco GlasGlide™ Frameless Glass Sliding Panel System manual
- Any deviation from that specified in the Juralco GlasGlide™ Frameless Glass Sliding Panel System manual must only be in accordance with the site specific PS1 with site specific calculations and drawings listing the non standard details
- The Juralco GlasGlide™ Frameless Glass Sliding Panel System must only be fabricated/installed by a Juralco approved fabricator
- Upon completion of the installation the fabricator must supply the owner with a PS3 (Construction)

#### **Important information - Powder Coating systems.**

**Powdercoat Systems** The new standard Dulux powder coating system used by Juralco is Duralloy Plus®. Also Duralloy® and Duratec®. All as per specs above. Juralco powder coated prices are for Duralloy Plus® and Duralloy® (same pricing). Duratec® prices on application.

**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.

**Swimming Pools** 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.

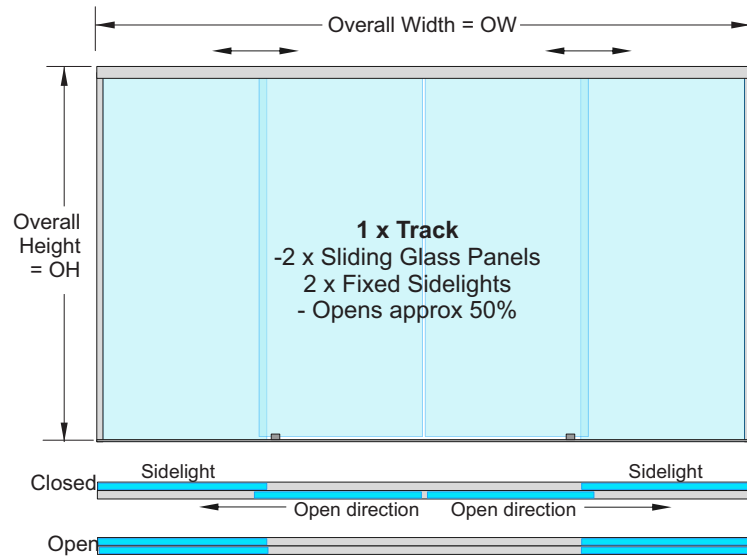
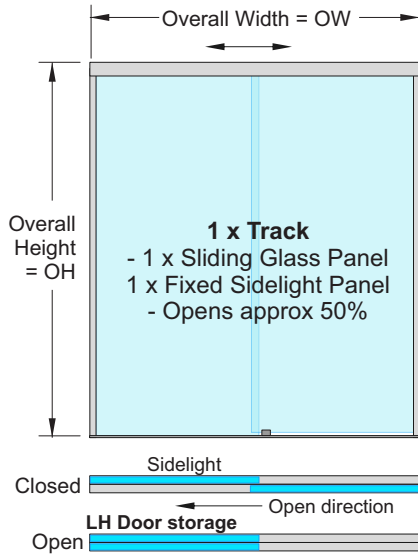
**Care** The Dulux powder coating warranty period is conditional upon the surface being maintained in accordance with the Dulux 'Care and Maintenance Instructions'. Download from Dulux or refer to the back page of this manual.

## Juralco GlasGlide™ Frameless Glass Sliding Panel System

**Application.** Most applications are Internal for Residential or Commercial Buildings.  
Doors from 10mm or 12mm Toughened Safety Glass

- Notes (per panel)
- Max Height 2.7m
  - Max Width dimension 3.0m
  - Min Width 0.8m
  - Glass wt max 150kg
  - Max Wind pressure 0.6kPa

- Notes:
- 10mm Toughened Glass 25kg/m<sup>2</sup>
  - 12mm Toughened Glass 30kg/m<sup>2</sup>



## Juralco GlasGlide™ Frameless Glass Sliding Panel System

**Application.** Most applications are Internal for Residential or Commercial Buildings.  
Doors from 10mm or 12mm Toughened Safety Glass

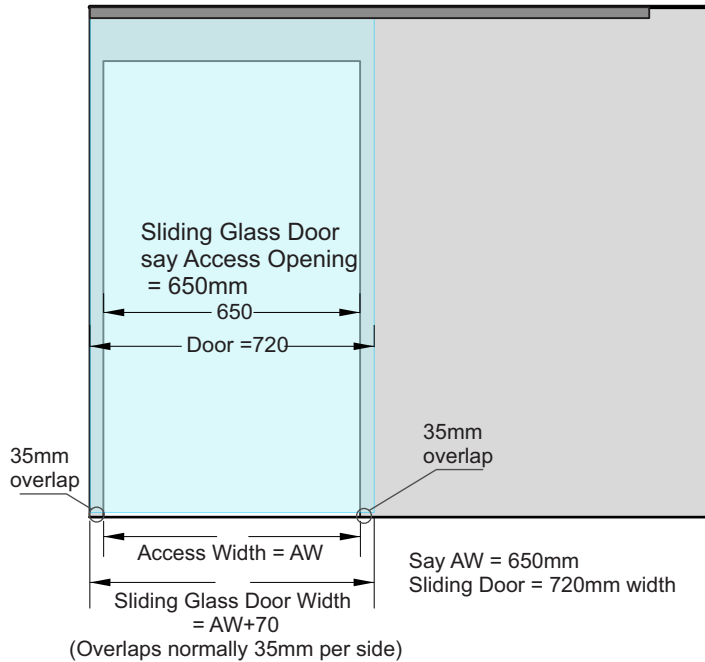
**Notes (per panel)**

- Max Height 2.7m
- Max Width dimension 3.0m
- Min Width 0.8m
- Glass wt max 150kg
- Max Wind pressure 0.6kPa

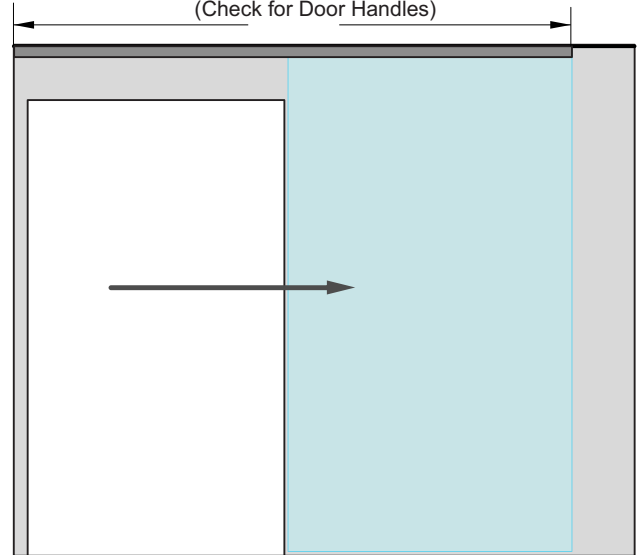
**Notes:**

- 10mm Toughened Glass 25kg/m<sup>2</sup>
- 12mm Toughened Glass 30kg/m<sup>2</sup>

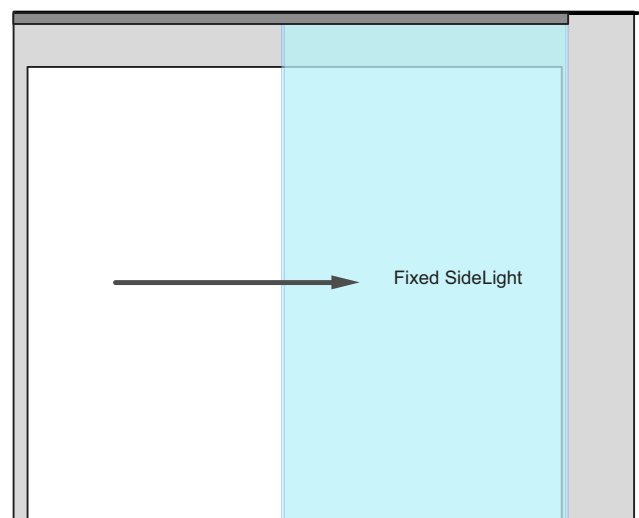
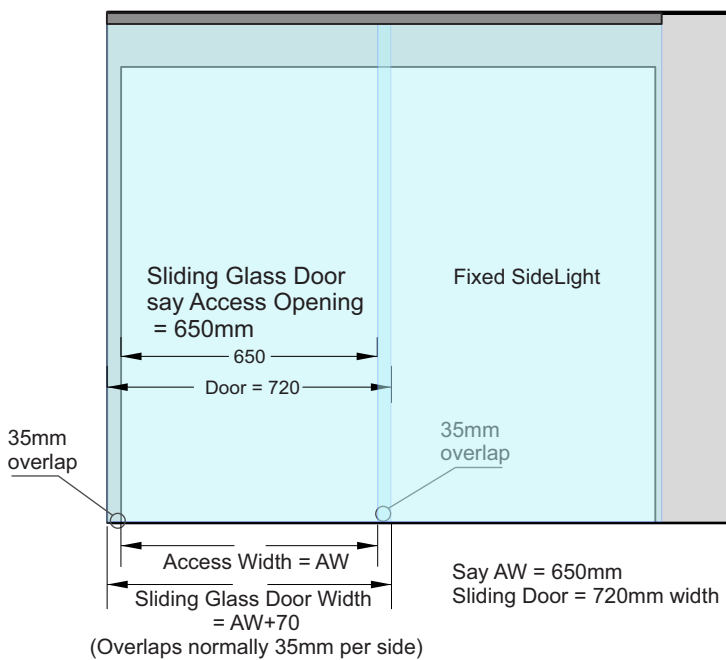
### Doorway Opening in a Wall (as per cover)



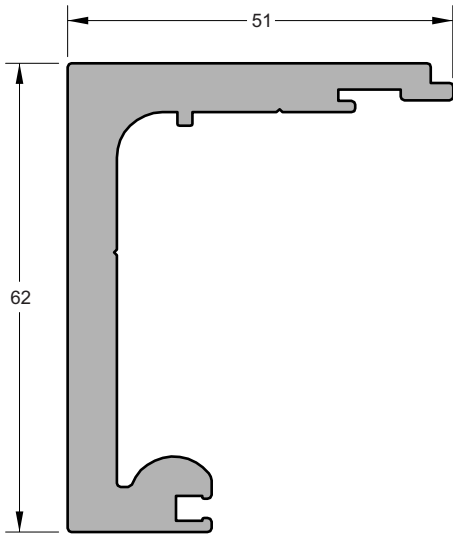
Track Width = 2 x Sliding Door Width  
(Check for Door Handles)



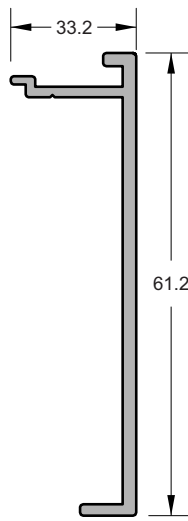
### Doorway Opening in a Glass Wall



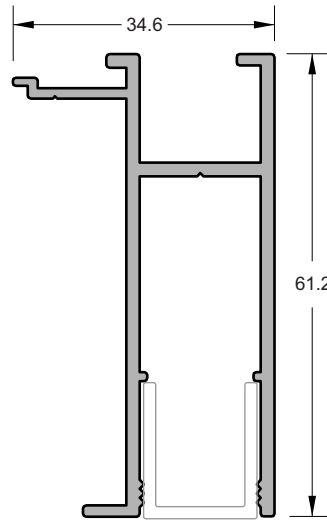
## Juralco GlasGlide™ Frameless Glass Sliding Panel System - Extrusions, Components



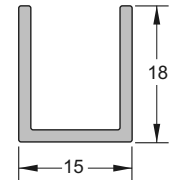
GlasGlide Track  
JGS/GG01  
Available as 2.1,3.1,  
5.1m Lengths.  
Natural Anodised, SCC



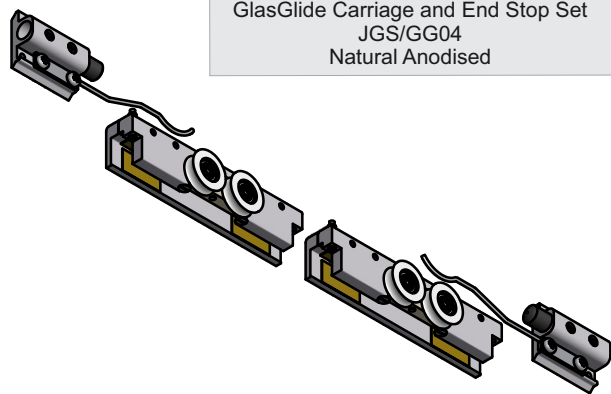
GlasGlide Cover  
JGS/GG02  
Available as 2.1,3.1,  
5.1m Lengths  
Natural Anodised, SCC



GlasGlide Pocketed Cover  
JGS/GG02  
Available as 2.1,3.1,  
5.1m Lengths  
Natural Anodised, SCC

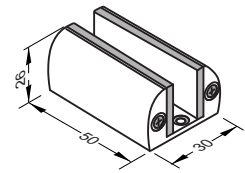


GlasGlide Infill  
for Pocketed Cover  
15mm x 18mm  
H/3877/2.  
Natural Anodised, SCC

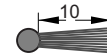


GlasGlide Carriage and End Stop Set  
JGS/GG04  
Natural Anodised

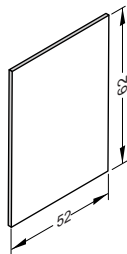
GlasGlide Bottom Guide  
12-12mm Glass  
Satin Chrome  
JGS/GGSD500/SCC



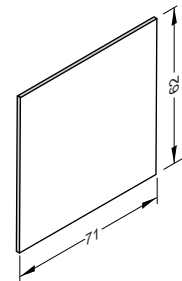
13mm Mohair Grey  
JGS/GG05



GlasGlide End Caps  
(For Track + Cover)  
JGS/GGEC  
Natural Anodised, SCC



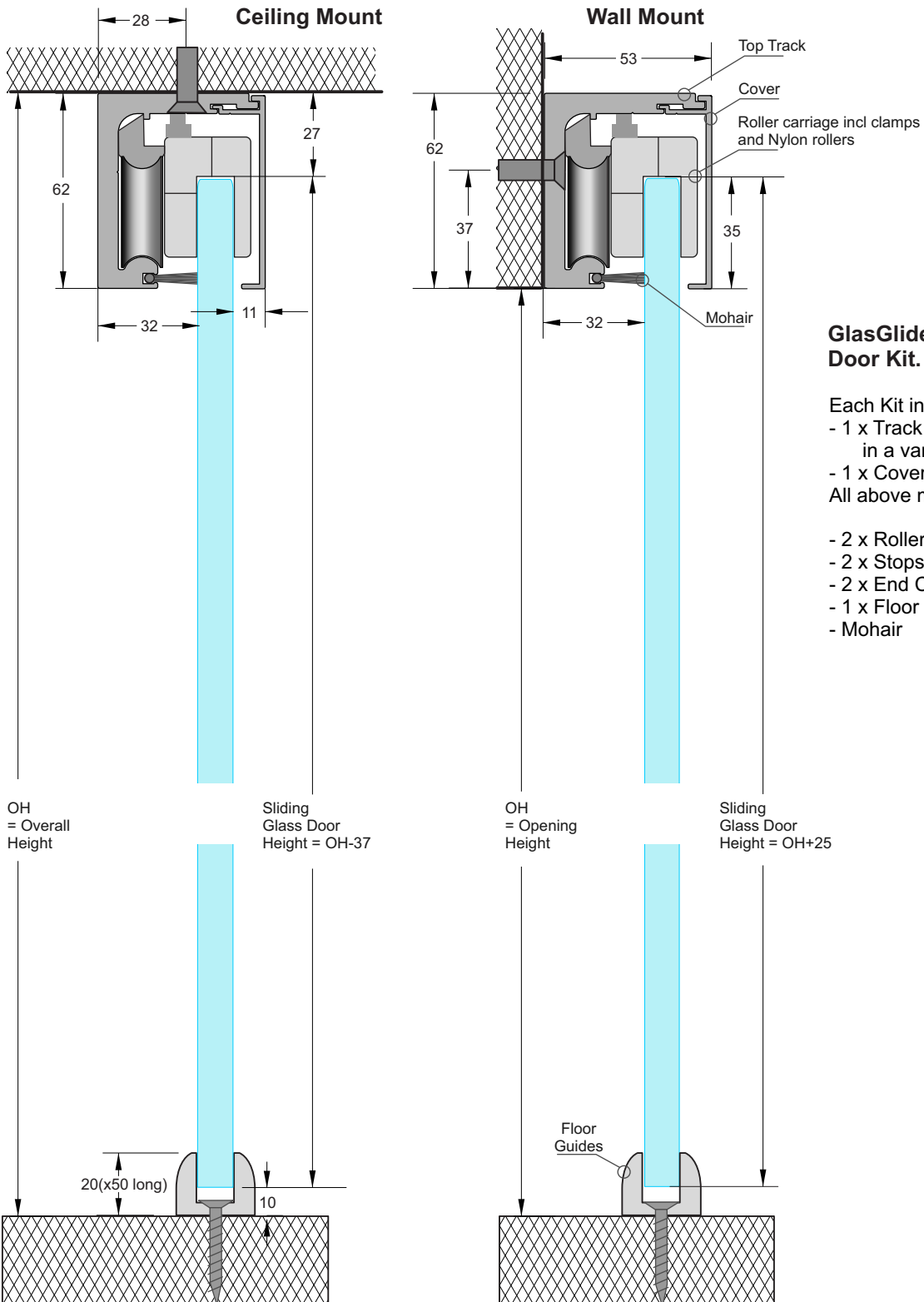
GlasGlide End Caps  
(For Track + Pocket Cover)  
JGS/GGSLEC  
Natural Anodised, SCC



## Juralco GlasGlide™ Frameless Glass Sliding Panel System Ceiling or Wall Mount - Standard Cover

10/12mm Glass Door Kits - Standard Cover		
GG Sliding Door kit up to 2000mm Wide Opening for 10/12mm Glass. Max 150kg	SCC	JGS/GGCW/K/2000
	NAT	JGS/GGCW/K/2000/NAT
GG Sliding Door kit up to 3000mm Wide Opening for 10/12mm Glass. Max 150kg	SCC	JGS/GGCW/K/3000
	NAT	JGS/GGCW/K/3000/NAT
GG Sliding Door kit up to 5000mm Wide Opening for 10/12mm Glass. Max 150kg	SCC	JGS/GGCW/K/5000
	NAT	JGS/GGCW/K/5000/NAT

### Juralco GlasGlide™ Sliding Door Set



#### GlasGlide Door Kit.

- Each Kit includes
- 1 x Track 2.1m, 3.1m or 5.1m. in a variety of finishes
  - 1 x Cover
  - All above matching finish
  - 2 x Roller carriage kits
  - 2 x Stops
  - 2 x End Caps
  - 1 x Floor Guide
  - Mohair

OH = Overall Height

Sliding Glass Door Height = OH-37

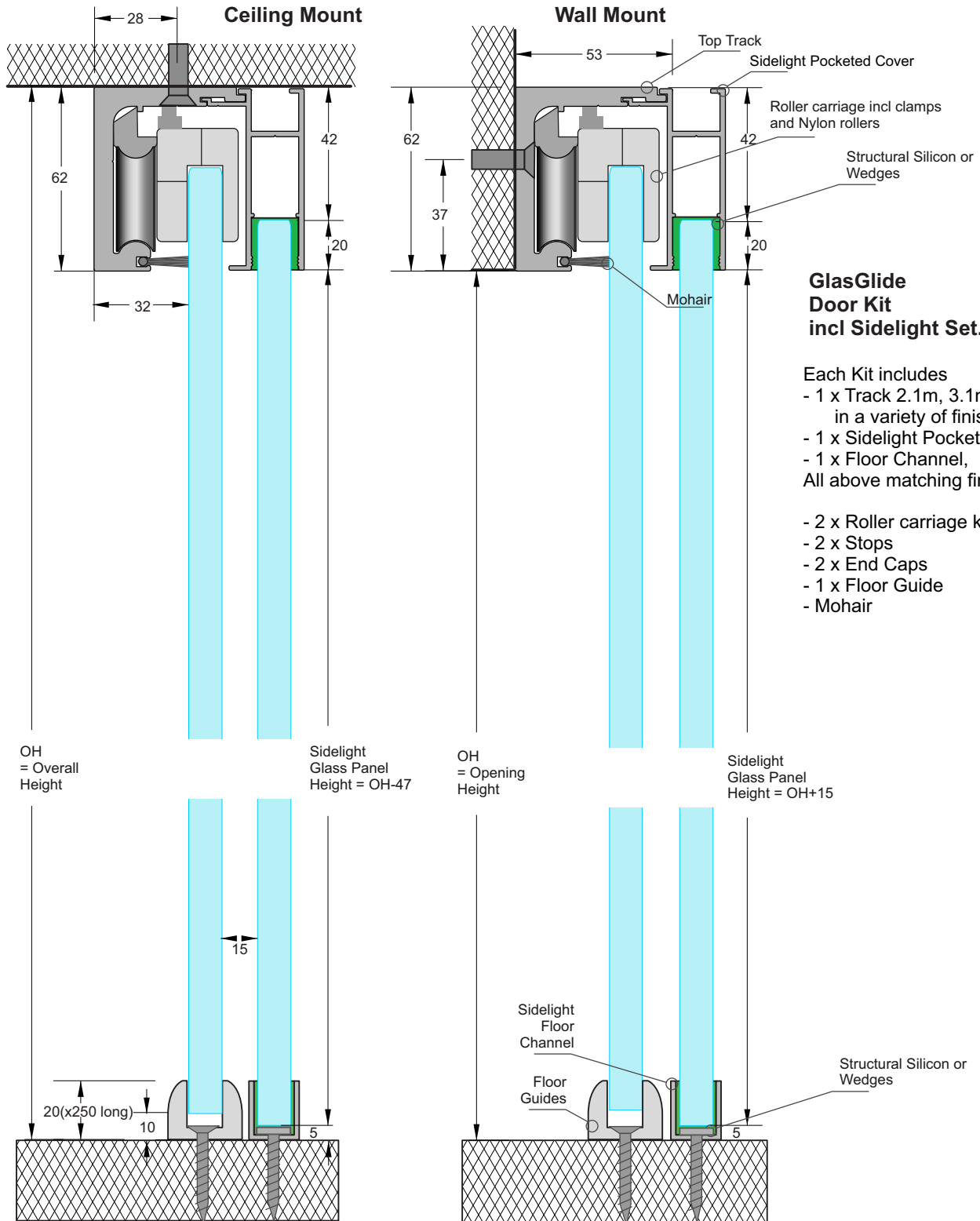
OH = Opening Height

Sliding Glass Door Height = OH+25

## Juralco GlasGlide™ Frameless Glass Sliding Panel System Ceiling or Wall Mount - Pocketed Sidelight

10/12mm Glass Door Kits - Pocketed Sidelight		
GG Sliding Door + Sidelight. Kit up to 2000mm Wide Opening for 10/12mm Glass. Max 150kg	SCC	JGS/GGSP/K/2000
	NAT	JGS/GGSP/K/2000/NAT
GG Sliding Door + Sidelight. Kit up to 3000mm Wide Opening for 10/12mm Glass. Max 150kg	SCC	JGS/GGSP/K/3000
	NAT	JGS/GGSP/K/3000/NAT
GG Sliding Door + Sidelight. Kit up to 5000mm Wide Opening for 10/12mm Glass. Max 150kg	SCC	JGS/GGSPK/5000
	NAT	JGS/GGSP/K/5000/NAT



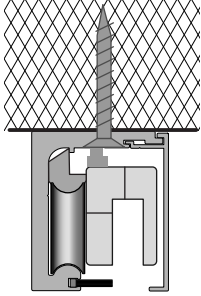
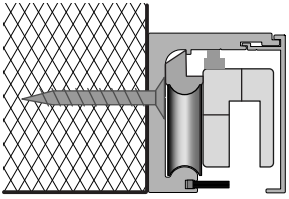
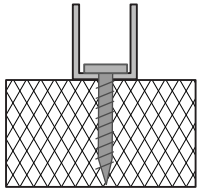
### Juralco GlasGlide™ Sliding Door with Sidelight Set





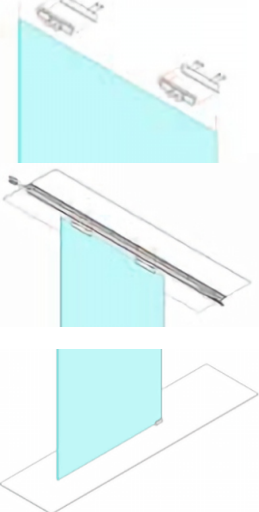
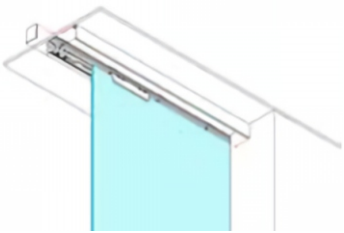


# Juralco GlasGlide™ Frameless Glass Sliding Panel System

## Installation Instructions

Product	Installation/Fitting Instructions
<p><b>Track Preparation</b></p>  <p>Lintel for Top track straight and level</p>  <p>Floor for Bottom Guides straight and level</p>	<p>1 - Check supporting structure to ensure the mounting face is level.                  2 - Packers can be used to level the Top track length. The packers are NOT included in this kit. Packer width should not exceed the width of the track(50mm).</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Notes:                      1 - The structure is to be designed by the Site Engineer, to support the appropriate loads.</p> </div>
<p><b>Installation of the Top Track and Sidelight Glass Channel to the Supporting Structure</b></p>  	<p>1 - Fix the track using 10g x 50mm SS countersunk screws at 200mm centres to suit the structure you are fixing to. Ensure the screw heads are flush with the track so the roller carriage does not catch them.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Notes re Screw Fixing:                      1 - Timber Fixings. 10g CSK SS Wood screws.                      35mm min engagement into SG8 timber.                      2 - Concrete Fixings. 10g CSK SS Screws                      30mm min engagement into Hilti HUD, using a Plastic anchor plug</p> </div>
<p><b>Installation of the Bottom Sidelight Glass channel to the supporting structure</b></p> 	<p>1 - Fix the track using 10g x 50mm SS Pan screws at 200mm centres to suit the structure you are fixing to.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Notes re Screw Fixing:                      1 - Timber Fixings. 10g x 50mm min Pan SS Wood screws.                      35mm min engagement into SG8 timber.                      2 - Concrete Fixings. 10g Pan SS Screws                      30mm min engagement into Hilti HUD, using a Plastic anchor plug</p> </div>

# Juralco GlasGlide™ Frameless Glass Sliding Panel System

## Installation Instructions

Product	Installation/Fitting Instructions
<p><b>Glass Door Assembly</b></p> 	<ol style="list-style-type: none"> <li>1 - Locate the glass roller clamps 100mm from the glass edge using a thin fibre gasket or tape to separate the glass edge from the metal clamp. <ul style="list-style-type: none"> <li>– Note. For 10mm glass add extra gaskets to the outer section of the clamp by removing the double sides tape backing and applying them to the existing gaskets.</li> </ul> </li> <li>2 - Tighten the clamp screws by hand then torque the M6 fastenings to 14 Nm.</li> <li>3 - Slide in bump-stops before lifting and locating door onto rail and leave them loose in track.</li> <li>4 - Lift and locate the glass door onto the track and ensure it have a smooth flowing operation. <ul style="list-style-type: none"> <li>– Note. To ensure the glass door runs smoothly adjust the height of the roller carriages by winding the Allen key fixing in or out to suit. When the door sits 'plumb' in the track adjust the anti-jump screw so that it clears the track by only 1 – 2mm.</li> </ul> </li> <li>5 - Set the bump stops in their correct locations by sliding the door from its desired opened and closed positions. Hold the door at each position against the stop and fix them in place by tightening the Allen screws.</li> <li>6 - Check the door for 'plumb' from track to floor, then locate and fix the floor guide in place.</li> </ol>
<p><b>Seals and Covers (if applicable)</b></p> 	<p>Slide in seal to supplied channel and attach to glass edge if required, or apply seal directly to the glass edge (depending on which seal is used)</p> <ol style="list-style-type: none"> <li>1 - Locate Cover and fix in place using a dab of silicone at approximately 500mm centres.</li> <li>2 - Fix track end caps with double sided tape or a dab of silicone to the corners and leave it to set.</li> </ol>
<p><b>For Systems with Side Panels</b></p> 	<ol style="list-style-type: none"> <li>1 - Follow all previous steps unto the pelmet cover choice. Use Side Panel cover for the top track and secure with 8g screws at 400mm centres.</li> <li>2 - Use JA169 glazing channel for wall and/ or floor channel, fixing the floor channel with 8g screws at 400mm centres.</li> <li>3 - Glaze the Side Panel and wedge or silicone it in the channel as suits.</li> <li>4 - Cut to length a piece of infill channel section and secure into the top pelmet cover with silicone and tape as suits.</li> </ol>
<p><b>Final Adjustment</b></p> 	<ol style="list-style-type: none"> <li>1. Lubricate the inside track &amp; all moving parts of the carriages with silicone spray.</li> <li>2. Check clearances on top and bottom of the door, adjust the height of the door by raising or lowering the carriage shaft.</li> <li>3. Do a final check and ensure the door is level.</li> </ol>
<p><b>Trouble Shooting</b></p>	<ol style="list-style-type: none"> <li>1 - Roller slide difficulties: If the sliding door operation becomes difficult, lubricate the roller carriages and the aluminium overhead track with lubricant or silicone spray to reduce traction between rollers and the aluminium track.</li> <li>2 - Door height uneven: The roller carriages are not in the centre or the door rails are not squared and plumb.</li> </ol>
<p><b>Cleaning</b></p>	<p>Once everything is correctly in place and the job is complete, the glass and plate need to be cleaned. Use a non-abrasive glass cleaner on the glass and warm soapy water on the aluminium extrusion. We also recommend a soft sponge or cloth, again to avoid any risk of scratching.</p>

# Juralco Glaslide™ Frameless Glass Sliding Panel System - Glass Care and Maintenance

## Glass Cleaning and Maintenance

Architectural glass products must be properly cleaned during the construction period so visual and aesthetic clarity are maintained. Because glass can be permanently damaged if improperly cleaned, glass producers and fabricators recommend strict compliance with the following procedures.

First, determine whether the glass is clear, tinted or reflective. Surface damage is more noticeable on reflective glass compared with the other glass products. If the reflective coated surface is exposed, either on the exterior or interior, special care must be taken when cleaning, as scratches can result in coating removal and a visible change in light transmittance. Cleaning tinted and reflective glass in direct sunlight should be avoided. Cleaning should begin at the top of the building and continue to the lower levels.

Commence cleaning by soaking the glass surfaces with clean water and a soap solution to loosen dirt or debris. Then, using a mild, non-abrasive commercial window washing solution, uniformly apply the solution to the glass surfaces with a non-abrasive applicator and follow with a squeegee to remove all of the cleaning solution from the glass surface.

Ensure that no metal parts of the cleaning equipment touch the glass surface and that no abrasive particles are trapped between the glass and the cleaning materials. All water and cleaning solution residue should be dried from the window gaskets, sealants and frames.

## Scratches and Metal Scrapers

Scratches can occur from hard pointed objects or poor handling, but most often occurs from the careless removal of foreign matter from the glass surface.

Mortar splatter and paint are common offenders and efforts to remove after hardening almost always lead to surface damage. It is essential that the foreign materials are removed before they harden. Better still, if construction work continues after glazing, that the glazed areas are protected by adhesive plastic films or suitable tarpaulins or covers.

One of the common mistakes made by non-glass trades people, including glass cleaning contractors, is the use of razor blades or other metal scrapers on a large portion of the glass surface. Using large blades to scrape a window clean carries considerable risk of causing damage to the glass.

The glass industry, fabricators, distributors and installers neither condones nor recommends any scraping of glass surfaces with metal blades or knives. Such scraping usually permanently damages or scratches the glass surfaces. When paint or other construction materials cannot be removed with normal cleaning procedures, a new 25mm razor blade may have to be used. The razor blade should be used on small spots only. Cleaning should be done in one direction only. Never scrape in a back and forth motion as this could trap particles under the blade that could scratch the glass.

Blades or scrapers can dislodge "pick-up" on toughened glass. There are fine particles of glass that are fused on to the surface during toughening. Once dislodged they can scratch the glass.

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### **Glass Cleaning, Do's and Don'ts**

#### **DO NOT..**

- Do Not - Use Scrapers of any type or size on a Glass surface
- Do Not - Leave building dirt or residues to remain on Glass for a period of time.
- Do Not - Begin cleaning glass until you have identified the surface type.
- Do Not - Clean Glass surfaces in direct sunlight.
- Do Not - Allow dirty water or cleaning residues to remain on the Glass.
- Do Not - Begin cleaning before rinsing off a loose residues.
- Do Not - Use abrasive cleaning solutions, materials or solvents.
- Do Not - Allow metal parts of the cleaning equipment to come in contact with the Glass.
- Do Not - Trap abrasive particles between the cleaning material and the Glass.

#### **DO...**

- Clean glass promptly when dirt or building residues appear.
- Determine glass surface type.
- Exercise special care when cleaning coated surfaces.
- Avoid cleaning glass surfaces in direct sunlight.
- Start cleaning at the top of a building, then continue to lower levels.
- Soak the glass surface in a clean soapy solution before cleaning.
- Use a mild non abrasive commercial cleaner.
- Use a squeegee to remove all cleaning solution.
- Try your procedures on a small window and check.
- Caution other trades re the care and protection of the glass surfaces.

**Residues of surface grit may be present from the toughening production process.  
These grit particles must not be dragged across the surface.  
NEVER use Metal Scrapers**