

AGS

ALUMINIUM GLASS SOLUTIONS



- Glass
- Aluminium Windows
- Aluminium Doors
- Shower Enclosures

- Trellis Gates
- Door Handles
- Pro Bar
- Balustrades

- Glasswall Partitioning
- Plasterboard
- Firewalling
- Ceiling Systems

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AGS PROFILE

Aluminium Glass Solutions offers a wide range of glass and aluminium products for both commercial and domestic applications: Windows, Doors, Shower Enclosures, Skylights, Sunroom Enclosures, Shopfronts, Balustrading and Custom-made products in a variety of configurations for various applications.

Our units are manufactured from durable, maintenance-free, high quality corrosion resistant aluminium. We have maintained our enthusiasm for excellence throughout our service career to emerge, today, as arguably one of the most trusted and efficient service providers in the aluminium and glass industry.

We specialize in all aluminium work, custom orders to meet any client requests, quality installation and plastering. All work is completed to the highest international standards.



GLASS | Various Types of Glass Available

Glass is the only building material that not only insulates us from temperature extremes; it can also control the passage of light and heat into and out of our homes.

There are 3 main areas to consider when thinking about windows and glazing for your project: Natural light, solar heat gain, and thermal conductivity.

By choosing the right performance glass, you can enjoy your views and natural light while controlling UV and glare. Benefit from the natural warming effect of solar heat during winter and minimise its impact during summer and insulate your home against excessive heat loss or gain.

By understanding your climate's heating and cooling needs, you can determine your overall glass selection priorities. Performance glass can also help to overcome site limitations so you can still enjoy your views without compromising your home's energy efficiency.

You can combine energy efficient glass with other options, including glass that reduces noise, provides protection from intruders, and creates shelter from extreme weather to create the perfect windows for your building project.

Glass Types

Clear Float Glass

Clear Float Glass is a visually colourless and distortion free glass providing high light transmission (daylight) and clarity. Clear Float Glass is the core base product for most of performance glass products and is commonly used in windows and doors.

Tinted Glass

Tinted glass is produced by adding metal oxides to float glass during manufacture. Tinted glass absorbs and re-radiates solar energy reducing heat and it can provide cost effective climate control. Tinted glass also reduces sun glare and is aesthetically appealing.

Tinted glass is available most commonly in Grey and Bronze.

Reflective Glass

Reflective Glass offers greater solar control than standard tinted float glass and can be used to create a specific visual appearance in a building.

A metallic coating is applied during the manufacturing process and creates a highly reflective appearance.

Reflective Glass is typically available in Clear, Neutral, Grey, Bronze, and Blue colours.



Toughened Glass

Toughened Glass is a safety glass that has increased strength and will usually shatter in small pieces when broken. When broken, particles are small and are relatively harmless compared to the sharp splinters resulting from the breakage of annealed glass. The toughened process also greatly reduces the risk of thermal breakage and increases strength.

Most popular glass types can be toughened and toughened glass is available in Clear, Tinted, Reflective, and Low E glass types.

Laminated Glass

Laminated Glass is made up of two or more layers of glass permanently bonded together with an interlayer. The lamination process results in the glass panels holding together in the event of breakage, reducing the risk of harm. Laminated Glass is classified as Grade A safety glass. The interlayer can be selected to deliver special performance characteristics such as improved insulation properties, improved security, and improved sound insulation properties.

Most popular glass types can be laminated and laminated glass is available in Clear, Tinted, Reflective, and Low E glass types. Laminated glass is a popular choice for residential and commercial windows and doors. Laminated glass offers improved acoustic insulation over typical annealed glass.

Low E Glass

Low Emissivity Glass has a thin metallic coating on the glass that reflects thermal radiation or inhibits its emission reducing heat transfer through the glass. Low E glass reflects the radiation rather than absorbing it, improving insulation. Low E glass is available in a range of colours including Clear, Neutral, Blue, and Grey.

Low E glass provides improved insulation properties and is a good choice in all climate situations.

Double Glazing

Double Glazing or Insulated Glass Units (IGU's) consist of two panes of glass bonded to both sides of a spacer to create one unit. The space between the panes of glass may be filled with Argon gas to increase the insulating properties of the double glazing units. IGU's can be made up of various types of glass including Low E, Laminated, Toughened, Tinted, or Reflective glass.

IGU's provide significantly improved insulation properties and are ideal for climates where extremes of heat or cool are experienced.

Glass Thickness

| | | | | | |
|---------------|--------------------------|--|--------------------------------------|---|--------------------------------------|
| Clear Float | Clearvue | 2mm 3mm 4mm 5mm 6mm 8mm 10mm | Laminated | Inrudorprufe | 6.38mm NS 8.38mm NS 12.38mm NS |
| | | | Architectural Laminated Safety | Decorvue Laminated Colour cool tinted/sl25 | 7.76mm 6.38mm NS |
| Float Tinted | Grey & Bronze | 4mm 6mm | | | |
| Images Mirror | Silver images | 3mm 4mm 5mm | | White transulcent | 6.38mm NS |
| | | | | Solarvue Neutral HL | 6.38mm NS |
| Decorvue | Purvue/non reflective | 2mm | | Solarvue S10 Silver | 6.38mm NS |
| | Local Obscure | 4mm | | Solarvue S10 Tinted | 6.38mm NS |
| | | | | | |

Energy Awareness



Energy efficient windows: An introduction

Going GREEN is a major trend at the moment and having energy efficient windows in your home is quickly becoming a must-have for many people. Not only is the "green" movement near the top of many political agendas, its presence is often seen throughout the mainstream and minor media. The bottom line is this: green sells and going green is cool.

The trend is positive. With energy costs reaching new heights, we need to be proactive and intentional. We should not only reduce the amount of energy we use, but also conserve the energy we don't. Since nearly 15-20% of all home energy is lost via windows and doors, having energy efficient windows in your home should be a priority.

The focus of this introduction is to help explain (without getting too technical) the current energy ratings scheduled to today's energy efficient windows. These ratings are crucial in making informed decisions regarding the purchase of energy efficient windows for new home construction or replacement.

With the green trend gaining momentum, an informed decision concerning one of the most critical areas of energy loss (or conservation) in your home is paramount.

Insulated Glass: (IG)

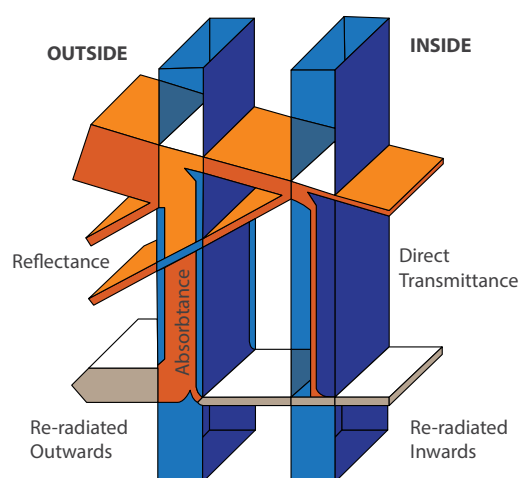
Two or more individual panes of glass separated by a specified spacer bar system and then sealed to be air and water tight. The "captured" airspace between the panes of glass forms the insulating barrier. The majority of modern energy efficient window systems utilize some type of safety insulated glass unit (SIGU) application.

Emissivity

Emissivity is the capability of a surface to emit heat radiation. A black surface is often used as a constant in measuring other surfaces against it.

For example, in measuring the emissivity of a particular IG unit, the IG unit is placed next to a solid black surface and subjected to an identical heat source. Measurements of heat radiated from each surface are then taken. The lower the number results in better heat-reflecting capability.

With relation to energy efficient window systems, lower emissivities are desired.



Reflectance

The proportion reflected back in the atmosphere.

Absorbance

The proportion absorbed by the glass.

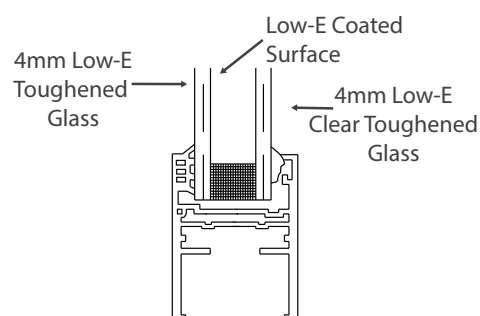
Direct Transmittance

The proportion transmitted directly through the glass.

Total Transmittance

The proportion transmitted through the glass by all means.

Clear glass behaviour Heat absorbing glass.
Heat reflecting glass. (Also known as g value or solar factor).



U-Value: (and its relation To R-value)

U-Value is the measure of a window's ability to reduce heat loss during indirect radiation exposure; such as during the winter months in moderating climates. Lower U-values translate into less indirect heat lost from the interior of the home resulting in lower heating costs.

U-value is the inverse of R-value (a more common term used in the insulation business). To find a correlating R-value from a given U-value, simply divide the number 1 by the U-value. Lower U-values correlate to higher R-values. For example: 1 divided by a .50 U-value gives us an R-value of 2.00.

So, even with the large disparity between the wall vs. window insulating factor, improving U-values greatly increases the energy efficiency of the home.

Solar: Heat Gain Coefficient (SHGC)

Solar Heat Gain Coefficient (SHGC) is a measure of a window's ability to reduce heat gain during direct radiation exposure; such as during the summer months in warmer climates.

A lower SHGC translates into less direct heat being pulled into the home resulting in lower cooling costs. SHGC and U-value are closely linked since the lowering of one directly affects the other.

Low Emissivity: Low-E

Low-E refers to the ability of an IG unit to suppress direct heat radiation and absorb indirect heat radiation. By placing a Low-E coating, which usually consists of a microscopically thin layer of metallic oxides (primarily silver), on a glass surface, the ability to transfer heat radiation is lowered. The heat remains on the side of glass where it originated.

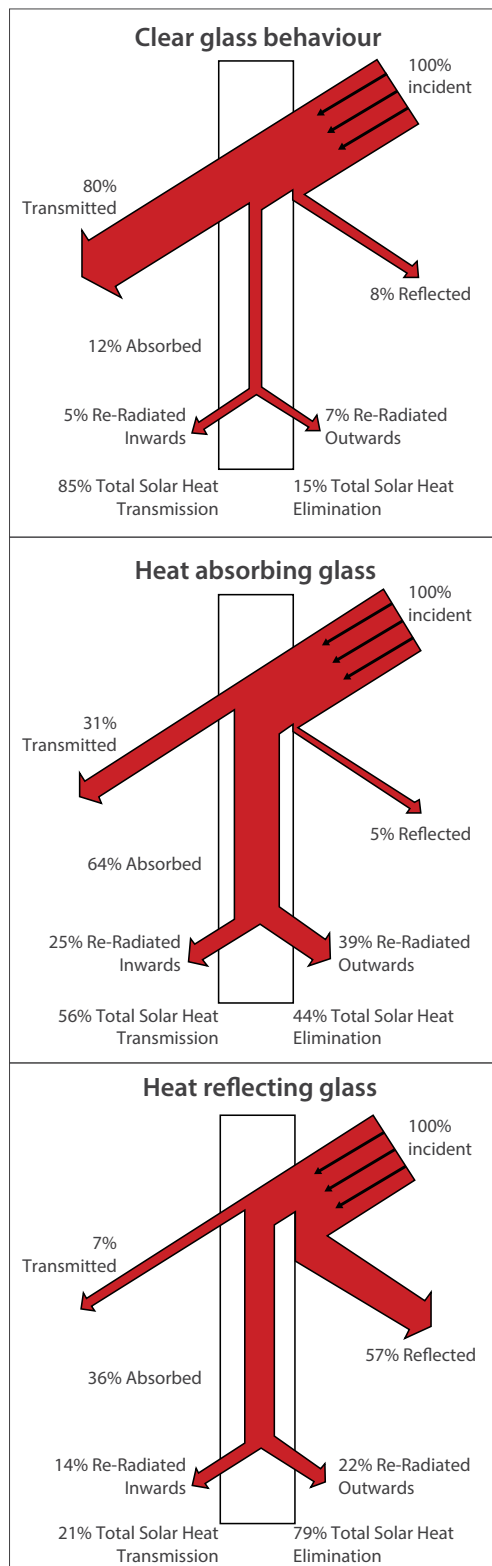
In a nutshell, Low-E coatings reflect direct heat radiation and absorb indirect heat radiation.

How does Low-E work?

Low-E glass works based on the angle of direct solar radiation. Due to the sun's differing angles at various times of the year, Low-E coatings work well in all seasons. In summer, when the angle is more direct, or "a high sky" they reflect heat. In winter, when the sun's angle is less direct, "a lower sky" they absorb the indirect heat.

Referring back to the previous demonstration, the non Low-E coated glass allowed the direct heat to pass through the glass thereby warming your interior glass.

The Low-E coated glass, on the other hand allowed some of the indirect heat in but blocked the direct heat thereby keeping your interior surface of glass cooler.



Sealed Insulating Glass Units

With ever-rising energy costs and impending government legislation, sealed insulated glass units are becoming more and more essential to any building. By trapping a layer of dry air between two glass panes, thermal resistance is naturally increased and heating and cooling costs reduced.

Condensation Eliminated

The tremendous insulating properties of dehydrated air in the SIGU's ensure the inner pane is at virtually the same temperature as the room, thus largely eliminating condensation.

Reduced Noise Levels

Generally, SIGU's offer approximately 20–30% improvement in sound control over a single glazed window, dependent on glass selection.

How Glass Can Provide Solar Control

Solar control can be achieved in a number of ways, including Low-E tinted glass, coated glass and laminated glass.

Safety Glazing Requirements

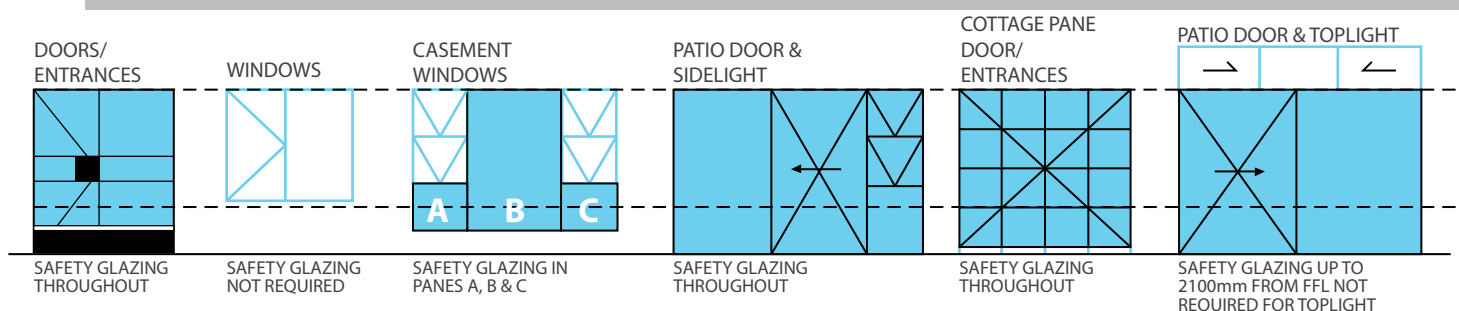
PERMANENT MARKINGS ON SAFETY GLASS MATERIALS

| GLASS CODE (1) Human Impact | GLASS CODE (2) Burglary and Vandalism | GLASS CODE (3) Armed Attack |
|--------------------------------|--|--------------------------------|
|--------------------------------|--|--------------------------------|

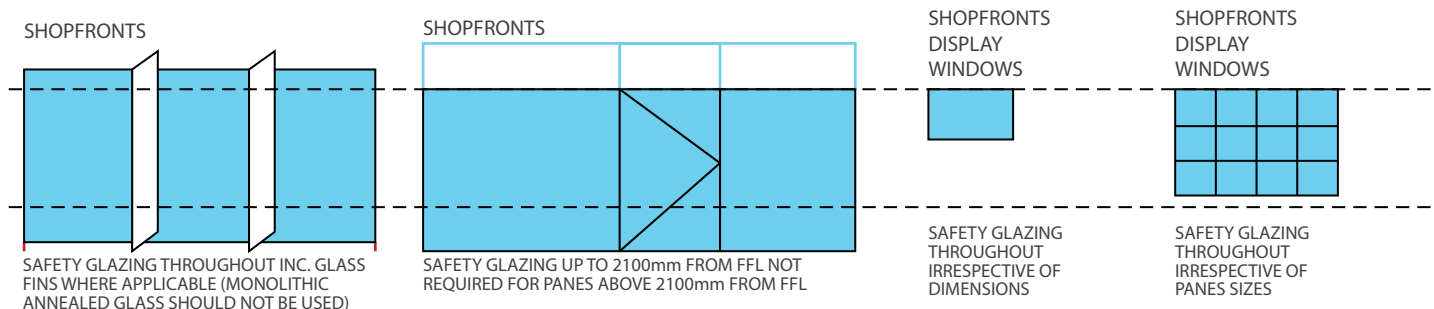
Types of glazing materials

| | | |
|--|--|--|
| NS PVB Laminate HPR PVB Laminate Resin Laminate Toughened Safety Glass Any other glazing material complying with the requirements of SANS 1263 Part 1. | HI PVB Laminate Any other glazing materials complying with the requirements of SANS 1263 Part II. | Multi Laminate Bullet Resistant Glass of PVB and/or Resin Laminates Any other glazing material complying with the requirements of SANS 1263 Part III. |
|--|--|--|

SAFETY GLAZING REQUIREMENTS FOR DOORS AND WINDOWS



SAFETY GLAZING REQUIREMENTS FOR SHOPFRONTS AND DISPLAY WINDOWS



STAIRWAY GLAZING WITHIN 1800mm FROM STAIR LEVEL AT ANY POINT, NEEDS TO BE SAFETY GLAZING

Single Glazing – Vertical glass supported in a frame supported all round in external walls
in buildings where height measured from the ground to the top of such wall does not exceed 10 metres.

| Nominal glass thickness in mm | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|----------------------------------|------|------|-----|-----|-----|-----|-----|
| Monolithic Annealed Glass | 0.75 | 1.5 | 2.1 | 3.2 | 4.6 | 6.0 | 6.0 |
| Patterned Annealed & Wired Glass | - | 0.75 | 1.2 | 1.9 | 2.6 | 3.4 | - |
| Laminated Annealed Safety Glass | - | - | - | 2.9 | 4.3 | 5.7 | 5.7 |
| Toughened Safety Glass | - | 1.9 | 3.0 | 4.5 | 8.0 | 8.0 | 8.0 |

SINGLE GLAZING – VERTICAL GLASS SUPPORTED IN A FRAME SUPPORTED ALL ROUND IN INTERNAL WALLS

| Nominal glass thickness in mm | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|----------------------------------|------|------|-----|-----|-----|-----|-----|
| Monolithic Annealed Glass | 0.75 | 1.5 | 2.1 | 3.2 | 4.6 | 6.0 | 6.0 |
| Patterned Annealed & Wired Glass | - | 0.75 | 1.2 | 1.9 | 2.6 | 3.4 | - |
| Laminated Annealed Safety Glass | - | - | - | 4.1 | 6.0 | 7.2 | 7.2 |
| Toughened Safety Glass | - | 3.0 | 4.2 | 6.4 | 9.2 | 9.2 | 9.2 |

Double glazing (SIGU) all round supported only

| Nominal glass thickness in mm | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
|----------------------------------|------|------|------|------|-------|-------|-------|
| Monolithic Annealed Glass | 1.00 | 2.00 | 2.80 | 4.27 | 6.13 | 8.00 | 8.00 |
| Patterned Annealed & Wired Glass | - | 1.00 | 1.60 | 2.53 | 3.47 | 4.53 | - |
| Laminated Annealed Safety Glass | - | - | - | 3.87 | 5.73 | 7.60 | 7.60 |
| Toughened Safety Glass | - | 2.53 | 4.00 | 6.00 | 10.67 | 10.67 | 10.67 |

Wind Load Requirements

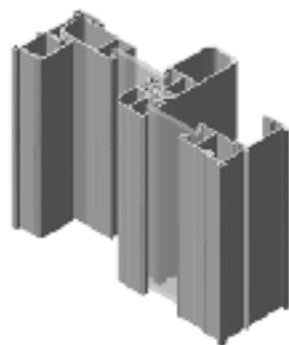
SELECTION OF AAAMSA PERFORMANCE CLASS DESIGNATIONS

| Terrain Category as per SANS 10160 | Height from ground to top of products in Metres | | | |
|---|---|--------------|--------------|--------------|
| | 5 | 10 | 15 | 20 |
| Category 1 Open sea, lake shores and flat treeless plains | A2 1500Pa | A3 2000Pa | A3 2000Pa | A3 2000Pa |
| Category 2 Airfields, open parklands, farmlands, undeveloped outskirts of towns and suburbs | A2 1500Pa | A2 1500Pa | A3 2000Pa | A3 2000Pa |
| Category 3 Built-up areas | A0 600Pa | A1 1000Pa | A1 1000Pa | A2 1500Pa |
| Category 4 City centres | A0 600Pa | A1 1000Pa | A1 1000Pa | A2 1500Pa |

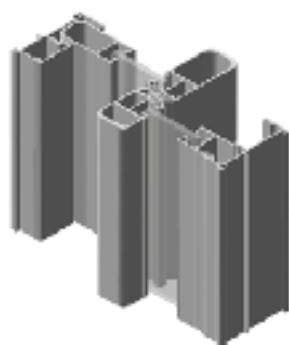
A0, A1, A2, A3 are AAAMSA Performance Class Designations - Minimum design criteria for internal work in 600Pa (A0).

Note: Internal glazed screens (shopfronts, partitioning) are to be designed to withstand a design load of 600Pa. This design load represents all the impact forces which may occur in terms of SANS 10160. The framing of such screens must have maximum deflection of 1/175th of the span.

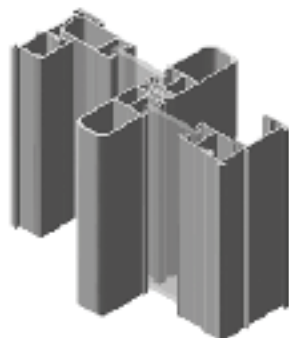
PATIO DOOR - Interlock Configurations for various Wind Loadings



Normal and High Rise Interlock configuration for **600Pa** (A0) for sizes 1,5m (w) to 6,0m (w) x 2.1m (h) and **1000Pa** (A1) for sizes up to 2,1m (w) OX and 4,2m (w) x 2.1m (h) OXXO.



Intermediate and High Rise Interlock configuration for **1000Pa** (A1) for sizes 2,4m (w) to 6,0m (w) x 2.1m (h) and **1500Pa** (A2) for sizes up to 1,8m (w) OX and 3,6m (w) x 2.1m (h) OXXO.



High Rise and High Rise Interlock configuration for **1500Pa** (A2) for sizes 2,1m (w) to 6,0m (w) x 2.1m (h) and **2000Pa** (A3) for sizes up to 2,1m (w) OX and 4,2m (w) x 2.1m (h) OXXO. 3

WINDOWS | Top Hung Casement Window 30.5

Our Casement 30.5 (30.5mm outer frame) is a projected top and side hung window system perfect for the residential market.

The Casement 30.5 window offers a diversity of window configurations to best suit your specific building requirements.

The Casement 30.5 is limited to the following vent sizes: Maximum top hung vent dimensions of 1000mm x 750mm and maximum side hung vent dimensions of 600mm x 1200mm.

Features

- Designed to accommodate burglar bars if required
- The window is draft free and watertight due to the use of effective seals
- Vents (opening panes) hinges on friction stays that allow the window to be open at various angles without using a peg stay
- Can be built on a face brick wall or a plastered opening
- Insect screens can be added at the time of manufacturing or at a later stage

Glazing

- The casement window is suitable for single glass panes (single glazing)
- It allows for various thickness of glass ranging between 4mm clear float glass to 6.38mm laminated safety glass

Gaskets & Seals

- High quality, locally available gaskets and seals are available
- Affordable and reliable

Finish

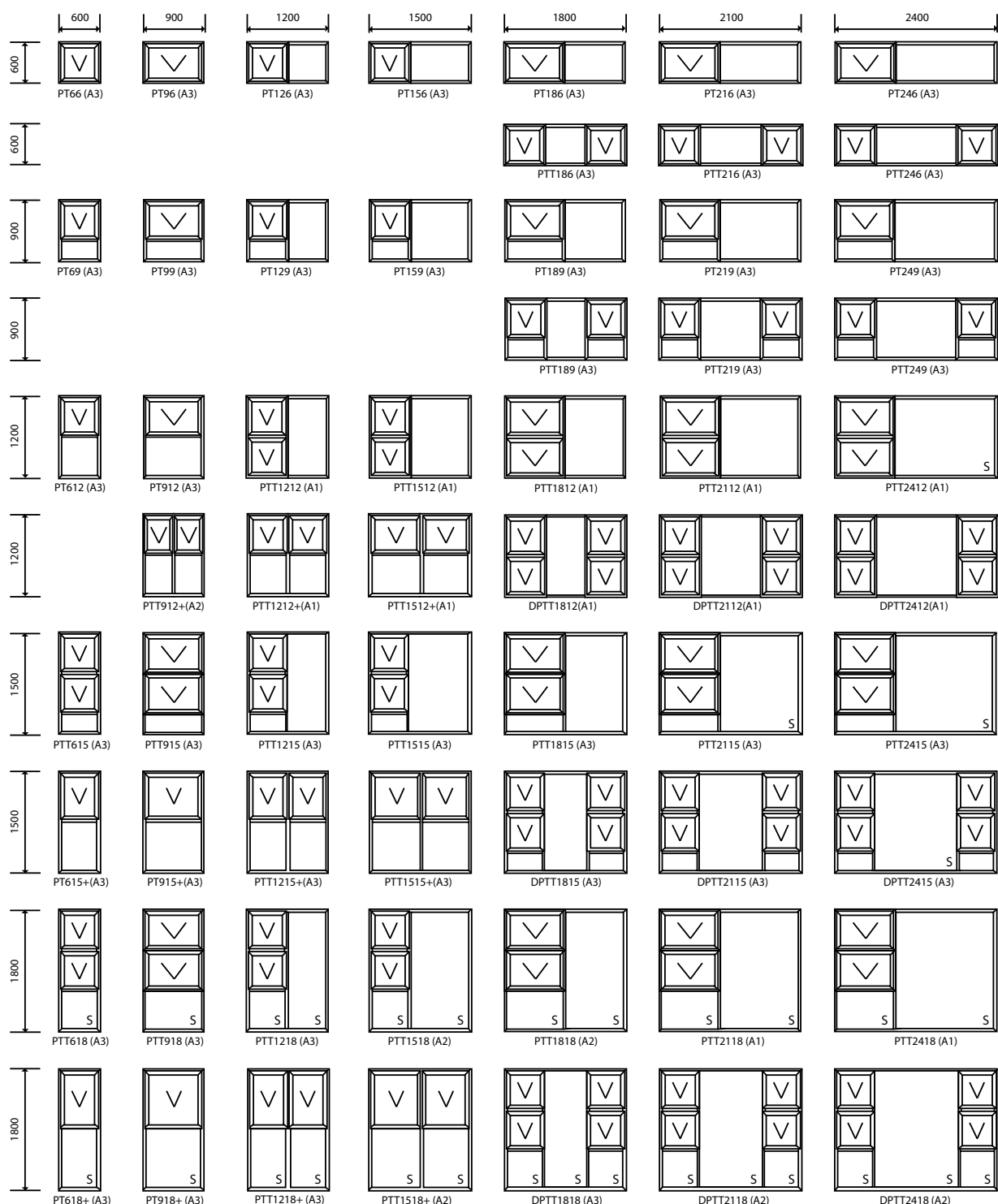
- Available in a variety of popular architectural colours and finishes

Hardware

- Designed to accommodate standard local hardware



WINDOWS | Top Hung Casement Window 30.5



A1 Denotes deflection design up to 1000 Pa • A2 Denotes deflection design up to 1500 Pa • A3 Denotes deflection design up to 2000 Pa

Can accommodate up to 20mm double glazing units for better energy saving and noise reduction. 34mm Outer frame.

STANDARD FINISH AND SPECIAL COLOURS

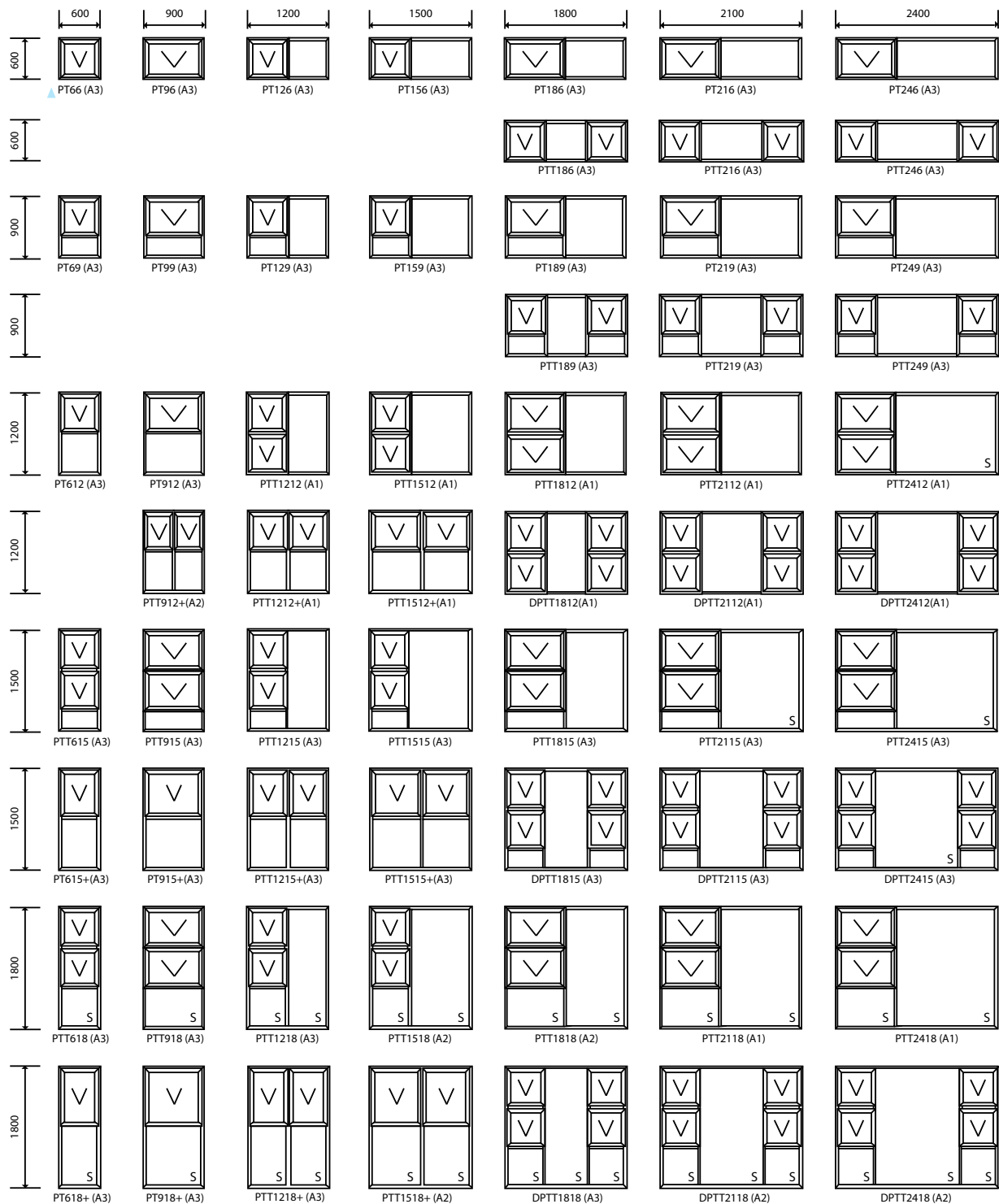
- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Energy Efficient Casement Window 30.5

| | | | | | | |
|-----------|--------------|--------------|---------------|---------------|---------------|---------------|
| 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| | | | | | | |
| PT66 (A3) | PT96 (A3) | PT126 (A3) | PT156 (A3) | PT186 (A3) | PT216 (A3) | PT246 (A3) |
| 600 | | | | | | |
| | | | | PTT186 (A3) | PTT216 (A3) | PTT246 (A3) |
| 900 | | | | | | |
| | PT69 (A3) | PT99 (A3) | PT129 (A3) | PT159 (A3) | PT189 (A3) | PT219 (A3) |
| 900 | | | | | | |
| | | | | PTT189 (A3) | PTT219 (A3) | PTT249 (A3) |
| 1200 | | | | | | |
| | PT612 (A3) | PT912 (A3) | PTT1212 (A1) | PTT1512 (A1) | PTT1812 (A1) | PTT2112 (A1) |
| 1200 | | | | | | |
| | | PTT912+(A2) | PTT1212+(A1) | PTT1512+(A1) | DPTT1812(A1) | DPTT2112(A1) |
| 1500 | | | | | | |
| | PTT615 (A3) | PTT915 (A3) | PTT1215 (A3) | PTT1515 (A3) | PTT1815 (A3) | PTT2115 (A3) |
| 1500 | | | | | | |
| | PT615+(A3) | PT915+(A3) | PTT1215+(A3) | PTT1515+(A3) | DPTT1815 (A3) | DPTT2115 (A3) |
| 1800 | | | | | | |
| | PTT618 (A3) | PTT918 (A3) | PTT1218 (A3) | PTT1518 (A2) | PTT1818 (A2) | PTT2118 (A1) |
| 1800 | | | | | | |
| | PTT618+ (A3) | PTT918+ (A3) | PTT1218+ (A3) | PTT1518+ (A2) | DPTT1818 (A3) | DPTT2118 (A2) |

SAFIERA APPROVED Single Glazed Low-E Monolithic
complying NFRC.
's' denotes safety glass.
U Value = 4.70Wm².K SHGC = 0.54

WINDOWS | Top Hung Casement Window 340



A1 Denotes deflection design up to 1000 Pa • A2 Denotes deflection design up to 1500 Pa • A3 Denotes deflection design up to 2000 Pa

Can accommodate up to 20mm double glazing units for better energy saving and noise reduction. 34mm Outer frame.

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Energy Efficient Casement Window 340

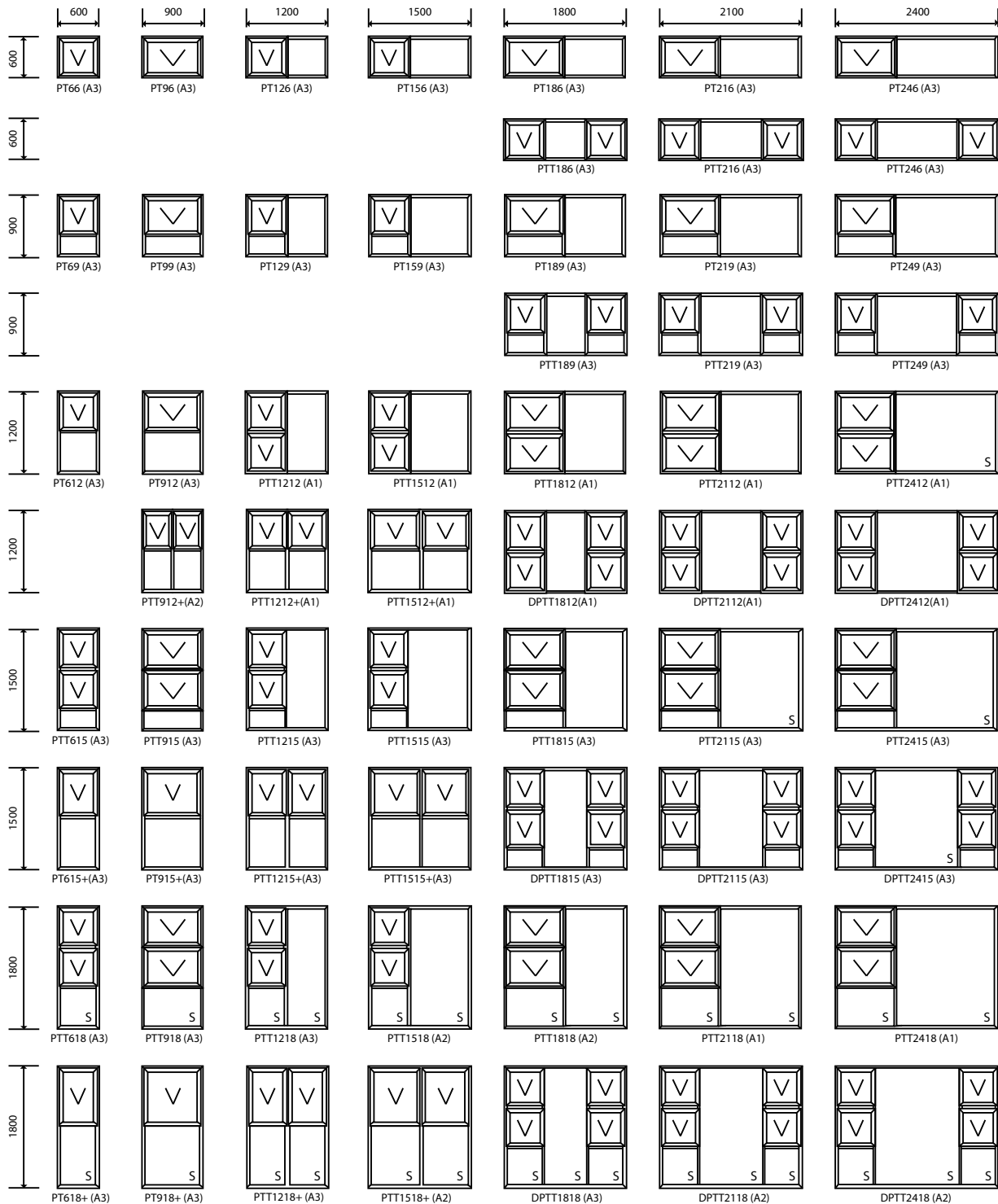
| | | | | | | |
|-----------|--------------|--------------|---------------|---------------|---------------|---------------|
| 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| | | | | | | |
| PT66 (A3) | PT96 (A3) | PT126 (A3) | PT156 (A3) | PT186 (A3) | PT216 (A3) | PT246 (A3) |
| 600 | | | | | | |
| | | | | PTT186 (A3) | PTT216 (A3) | PTT246 (A3) |
| 900 | | | | | | |
| | PT69 (A3) | PT99 (A3) | PT129 (A3) | PT159 (A3) | PT189 (A3) | PT219 (A3) |
| 900 | | | | | | |
| | | | | PTT189 (A3) | PTT219 (A3) | PTT249 (A3) |
| 1200 | | | | | | |
| | PT612 (A3) | PT912 (A3) | PTT1212 (A1) | PTT1512 (A1) | PTT1812 (A1) | PTT2112 (A1) |
| 1200 | | | | | | |
| | | PTT912+(A2) | PTT1212+(A1) | PTT1512+(A1) | DPTT1812(A1) | DPTT2112(A1) |
| 1500 | | | | | | |
| | PTT615 (A3) | PTT915 (A3) | PTT1215 (A3) | PTT1515 (A3) | PTT1815 (A3) | PTT2115 (A3) |
| 1500 | | | | | | |
| | PT615+(A3) | PT915+(A3) | PTT1215+(A3) | PTT1515+(A3) | DPTT1815 (A3) | DPTT2115 (A3) |
| 1800 | | | | | | |
| | PTT618 (A3) | PTT918 (A3) | PTT1218 (A3) | PTT1518 (A2) | PTT1818 (A2) | PTT2118 (A1) |
| 1800 | | | | | | |
| | PTT618+ (A3) | PTT918+ (A3) | PTT1218+ (A3) | PTT1518+ (A2) | DPTT1818 (A3) | DPTT2118 (A2) |

Option A SAFIERA APPROVED Single Glazed Low-E Monolithic complying NFRC.
's' denotes safety glass.
U Value = 4.70W/m².K SHGC = 0.54

Option B

SAFIERA TESTED PRODUCT Double Glazing Sealed Insulated Safety Glass with Low-E on one side
's' denotes safety glass.
U Value = 3.36W/m².K SHGC = 0.53 Tested product size = 1190mm x 1490mm
AAAMSA RATED PRODUCT SolarVue HL Neutral Low-E
's' denotes safety glass.
U Value = 5.73 W/m².K SHGC = 0.6

WINDOWS | Top Hung Casement Window 38




























































A1 Denotes deflection design up to 1000 Pa • A2 Denotes deflection design up to 1500 Pa • A3 Denotes deflection design up to 2000 Pa

Can accommodate up to 20mm double glazing units for better energy saving and noise reduction. 34mm Outer frame.

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Energy Efficient Casement Window 38

| | | | | | | |
|--|--|--|--|--|--|--|
| 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
|  PT66 (A3) |  PT96 (A3) |  PT126 (A3) |  PT156 (A3) |  PT186 (A3) |  PT216 (A3) |  PT246 (A3) |
| 600 | | | |  PTT186 (A3) |  PTT216 (A3) |  PTT246 (A3) |
| 900 |  PT69 (A3) |  PT99 (A3) |  PT129 (A3) |  PT159 (A3) |  PT189 (A3) |  PT219 (A3) |
| 900 | | | |  PTT189 (A3) |  PTT219 (A3) |  PTT249 (A3) |
| 1200 |  PT612 (A3) |  PT912 (A3) |  PTT1212 (A1) |  PTT1512 (A1) |  PTT1812 (A1) |  PTT2112 (A1) |
| 1200 | |  PTT912+(A2) |  PTT1212+(A1) |  PTT1512+(A1) |  DPTT1812(A1) |  DPTT2112(A1) |
| 1500 |  PTT615 (A3) |  PTT915 (A3) |  PTT1215 (A3) |  PTT1515 (A3) |  PTT1815 (A3) |  PTT2115 (A3) |
| 1500 | | | | | |  PTT2415 (A3) |
| 1500 |  PT615+(A3) |  PT915+(A3) |  PTT1215+(A3) |  PTT1515+(A3) |  DPTT1815 (A3) |  DPTT2115 (A3) |
| 1800 |  PTT618 (A3) |  PTT918 (A3) |  PTT1218 (A3) |  PTT1518 (A2) |  PTT1818 (A2) |  PTT2118 (A1) |
| 1800 | | | | | |  PTT2418 (A1) |
| 1800 |  PT618+ (A3) |  PT918+ (A3) |  PTT1218+ (A3) |  PTT1518+ (A2) |  DPTT1818 (A3) |  DPTT2118 (A2) |
| | | | | | |  DPTT2418 (A2) |

Option A SAFIERA APPROVED Single Glazed Low-E Monolithic complying NFRC.
's' denotes safety glass.
U Value = 4.70W/m².K SHGC = 0.54

Option B SAFIERA TESTED PRODUCT Double Glazing Sealed Insulated Safety Glass with Low-E on one side
's' denotes safety glass.
U Value = 3.36W/m².K SHGC = 0.53 Tested product size = 1190mm x 1490mm
AAAMSA RATED PRODUCT SolarVue HL Neutral Low-E
's' denotes safety glass.
U Value = 5.73 W/m².K SHGC = 0.6

WINDOWS | Side Hung Casement Window

Our Casement is a projected top and side hung window system perfect for the residential market.

The Casement window offers a diversity of window configurations to best suit your specific building requirements.

The Casement is limited to the following vent sizes: Maximum top hung vent dimensions of 1000mm x 750mm and maximum side hung vent dimensions of 600mm x 1200mm.

Features

- Designed to accommodate burglar bars if required
- The window is draft free and watertight due to the use of effective seals
- Vents (opening panes) hinges on friction stays that allow the window to be open at various angles without using a peg stay
- Can be built on a face brick wall or a plastered opening
- Insect screens can be added at the time of manufacturing or at a later stage

Glazing

- The casement window is suitable for single glass panes (single glazing)
- It allows for various thickness of glass ranging between 4mm clear float glass to 6.38mm laminated safety glass

Gaskets & Seals

- High quality, locally available gaskets and seals are available
- Affordable and reliable

Finish

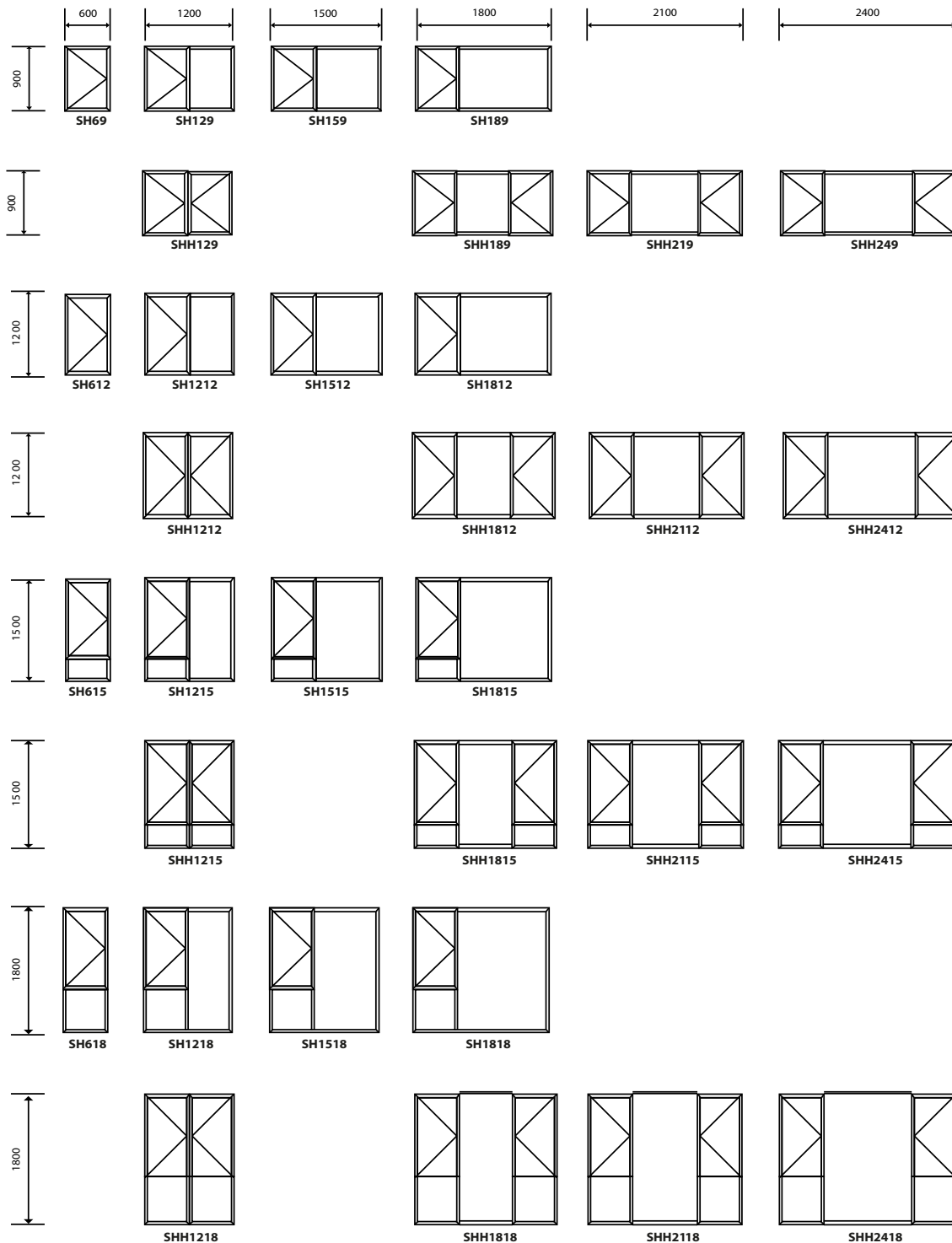
- Available in a variety of popular architectural colours and finishes

Hardware

- Designed to accommodate standard local hardware



WINDOWS | Side Hung Casement Window



Can accommodate up to 20mm double glazing units for better energy saving and noise reduction. 34mm Outer frame.

Energy Efficient Side Hung Casement Window

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Horizontal Sliding Window

The Horizontal Sliding Window is perfect for the domestic market. It is designed to be lightweight, yet durable. It is specifically designed to be in spaces where projecting windows are not desired.

The Horizontal Sliding Window allows for beautiful views of your environment, as well as supreme light.

Features

- Thermally efficient window design
- Easy to manufacture and install
- Available with casement window and sidelight options
- Smooth and silent sliding movement

Glazing

- Can accommodate up to 6.38mm safety glass

Gaskets & Seals

- High quality
- Locally available
- Affordable and reliable

Finish

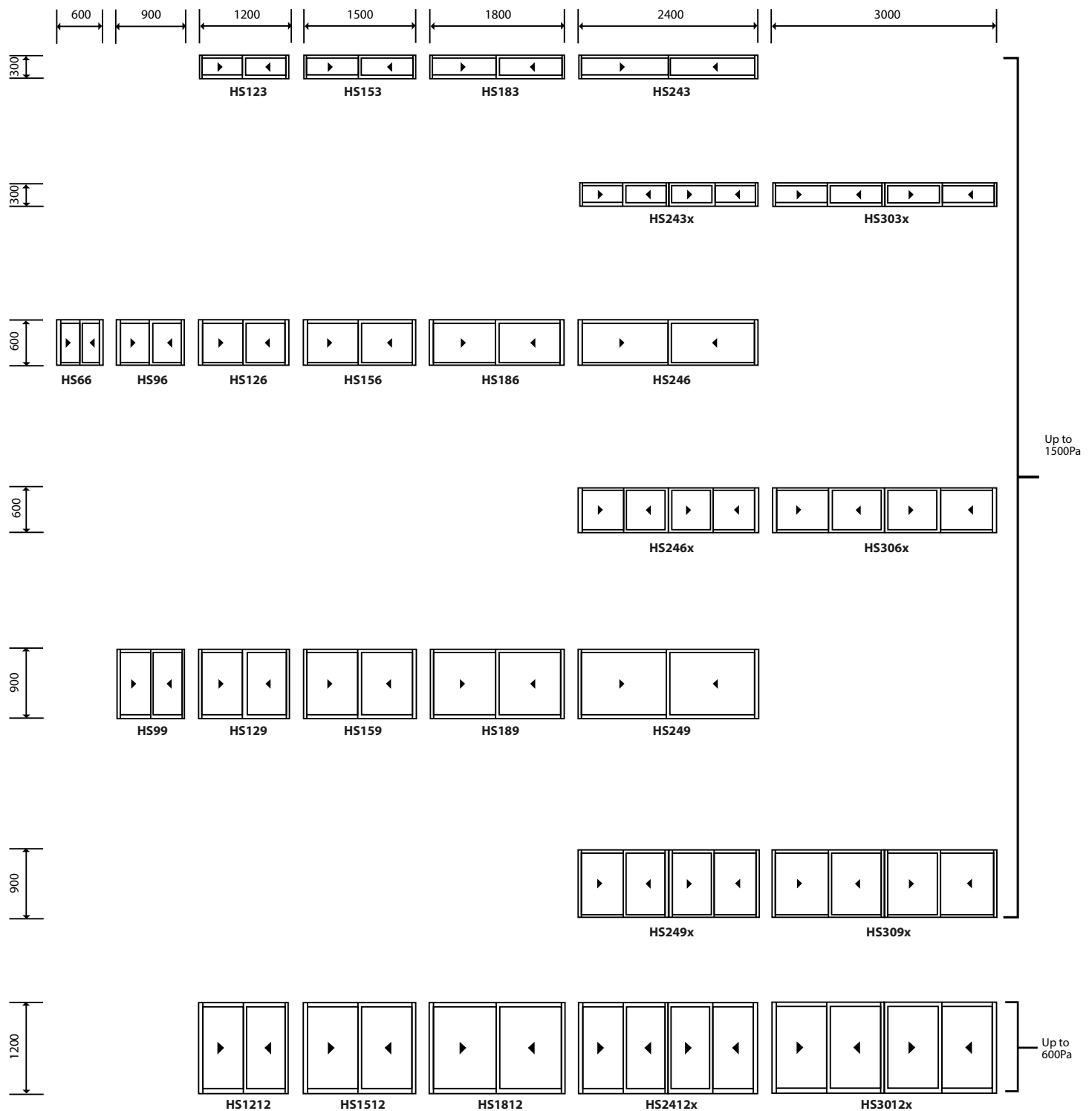
- Available in a variety of popular architectural colours and finishes

Hardware

- Designed to accommodate standard local hardware
- Use readily available hardware



WINDOWS | Horizontal Sliding Window



STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Vertical Sliding Window

The Aluminium Vertical Sliding window is an Aluminium window that slides open from top to bottom or bottom to top.

The Aluminium Vertical Sliding window has got two sliding panels that will allow you to have the open part of the window either at the top or the bottom of the window.

The Aluminium Vertical Sliding window is ideal for narrow passages as it will not cause an obstruction into the passage when open, unlike the Top Hung or Side Hung windows.

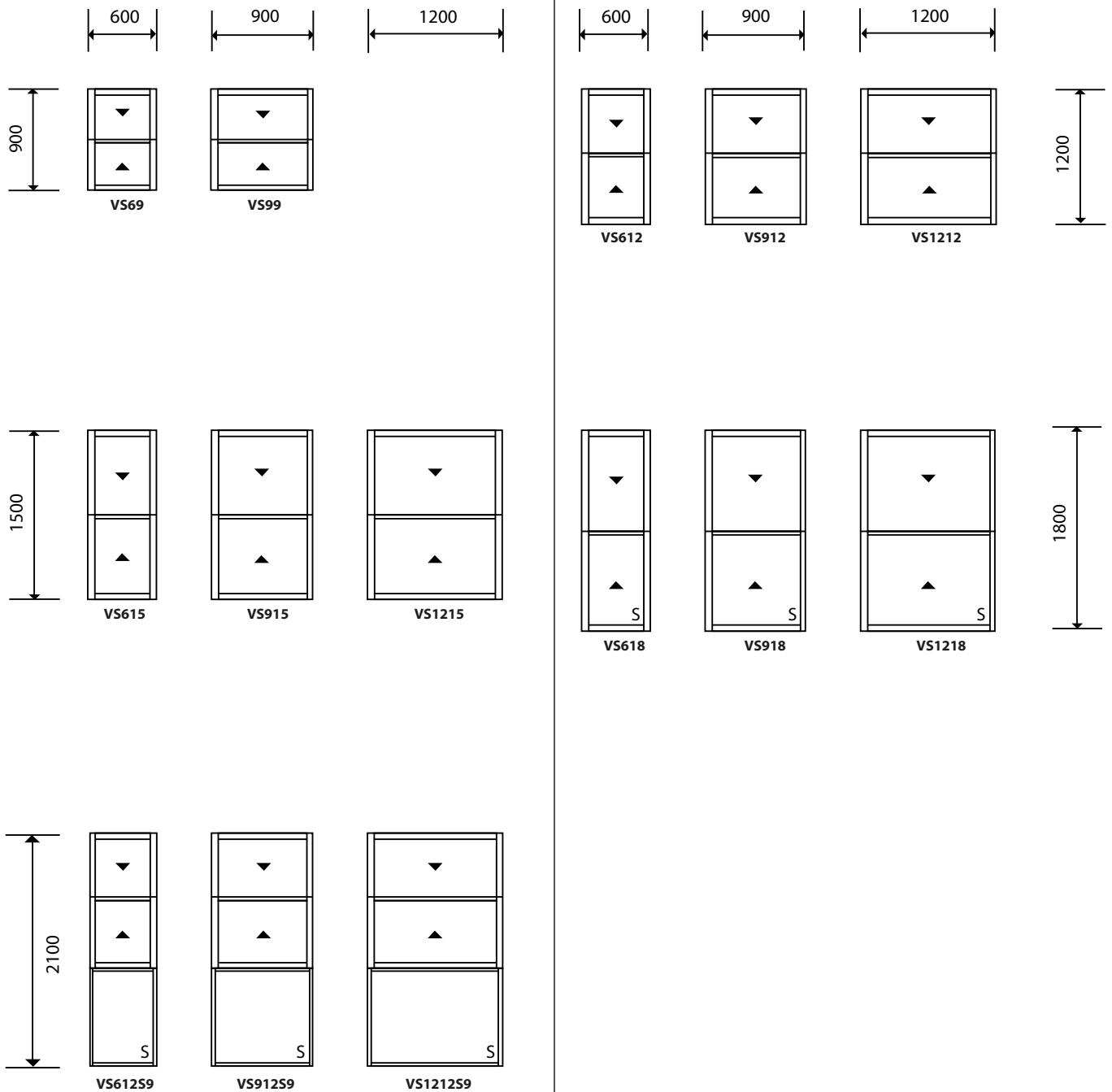
Very often sliding windows are chosen for their unobtrusive design, or because space does not allow for sashes projecting outwards. The sliding window unit can be fitted seamlessly next to fixed-pane windows, sliding doors or folding doors if you are looking to enclose a large opening or customise a shopfront.

Features

- Excellent weather sealing, with double draft seals.
- Available in anodised or powder-coated aluminium.
- Available in a wide range of powder-coated colours.
- Available in standard 4mm glass, toughened glass or laminated safety glass.
- Glass can be tinted in a range of colours.
- Standard sizes up to 3m in width, and up to 1.5m in height.
- Larger custom sizes also possible



WINDOWS | Vertical Sliding Window



STANDARD FINISH AND SPECIAL COLOURS

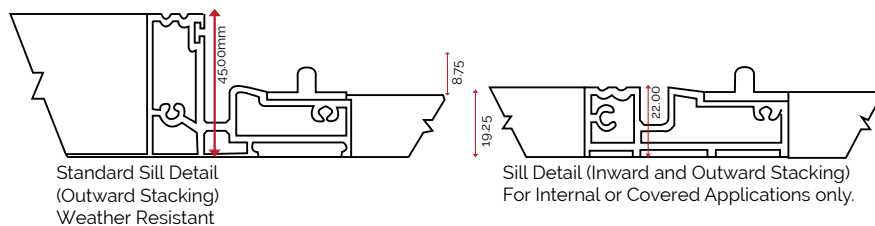
- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Stack Away Window

Proven performance and reliability – that's what you look for in sliding windows. Our aluminium sliding windows have both! They are stylish, secure, durable and a quality addition to any home. Sliding folding windows offer many benefits.

Features

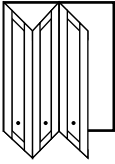
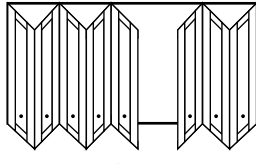
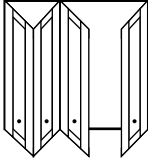
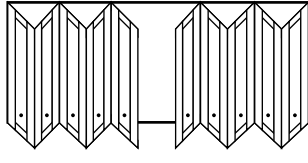
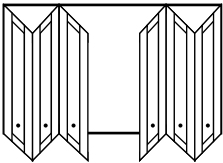
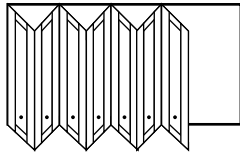
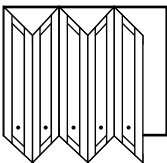
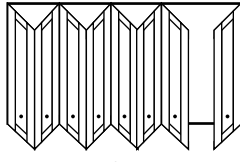
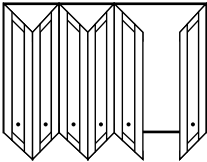
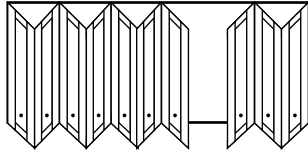
- Smooth, quiet sliding motion for ease of opening and closing
- Strength and durability
- Security
- Weatherproof
- Improved airflow that you can regulate according to your needs
- Easy to clean and maintain
- Wide range of colours to suit your interior and exterior materials and designs



SILL DETAILS: Sill used for level floor option.



WINDOWS | Stack Away Window

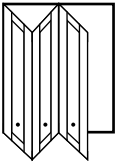
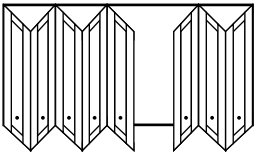
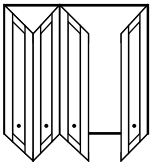
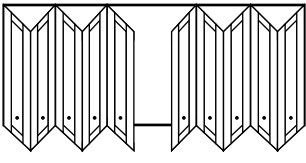
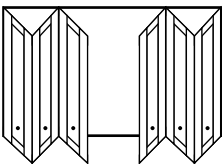
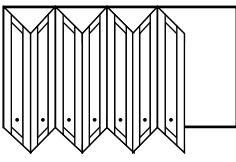
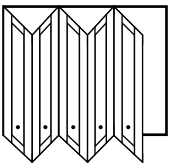
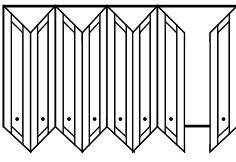
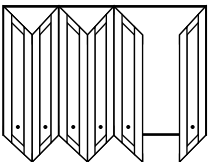
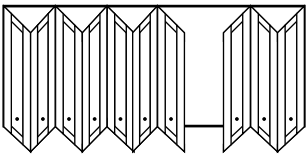
| | Up to 1800(h) TSG | | Up to 1800(h) TSG |
|---|---|--|---|
|  | Up to 1.8m 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 Panel | 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m | 5 + 3 Panel | |
|  | |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 1 Panel | | 5 + 5 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 3 Panel | | 7 Panel | |
|  | 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 Panel | | 7 + 1 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 + 1 Panel | | 7 + 3 Panel | |

Can accommodate Laminated Safety Glass, Toughened Safety Glass and Double Glazing.

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

WINDOWS | Energy Efficient Stack Away Window

| | Up to 1800(h) 6mm Low-E TSG | | Up to 1800(h) 6mm Low-E TSG |
|---|---|--|---|
|  | Up to 1.8m 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 Panel | 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m | 5 + 3 Panel | |
|  | |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 1 Panel | | 5 + 5 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 3 Panel | | 7 Panel | |
|  | 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 Panel | | 7 + 1 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 + 1 Panel | | 7 + 3 Panel | |

Can accommodate Laminated Safety Glass, Toughened Safety Glass and Double Glazing.

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

DOORS | Patio Sliding Door

The Patio Sliding Door offers the following **features**:

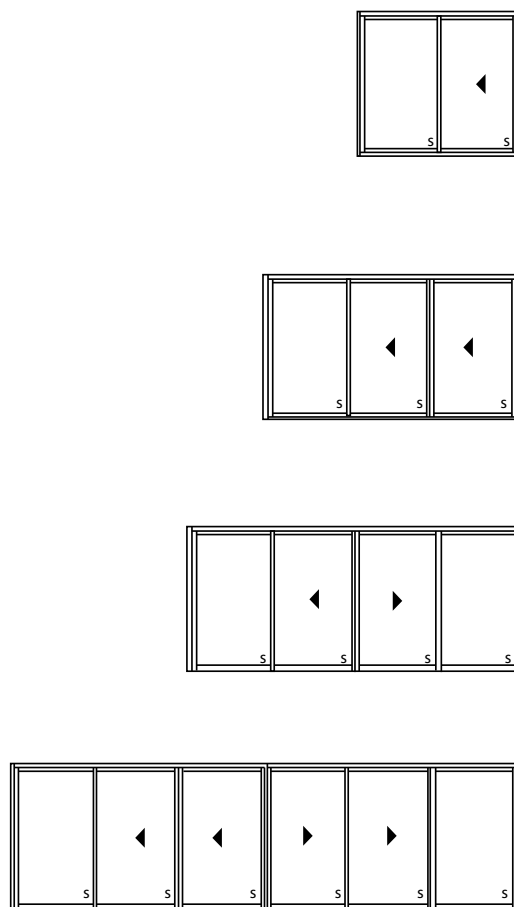
- Aluminium Glass Solutions represents a new generation of aluminium sliding doors.
- Our doors with contemporary aesthetic appeal.
- The unique design of the frame joints positively assists in achieving squareness, rigidity and waterproofing.
- Double woolpile sealing of moving surfaces ensures smooth operation, while keeping dust, draft and rain where they belong – outside!
- Our doors truly represent value for money with an aesthetic advantage.



DOORS | Patio Sliding Door

| |
|--|
| Standard |
| 2100(h) |
| Standard Glass 5mm TSG |
| SAFIERA TESTED PRODUCT 6mm Toughened Low-E |
| SAFIERA TESTED PRODUCT 6.38mm SolarVue HL Low-E |
| Non Standard |
| 2400(h) |
| Safety Glass 5mm TSG |

Optional: Mortice lock with handle for 2/3 pane door
Optional: Mortice lock with handle for 4/6 pane door



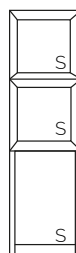
Both width and height of the unit is 10mm smaller than sizes shown

Width

| |
|------|
| 1500 |
| 1800 |
| 2000 |
| 2100 |
| 2400 |
| 2700 |
| 3000 |
| 2210 |
| 2660 |
| 2960 |
| 3110 |
| 3560 |
| 4010 |
| 4460 |
| 3000 |
| 3600 |
| 4000 |
| 4200 |
| 4800 |
| 5400 |
| 6000 |
| 4420 |
| 5320 |
| 5920 |
| 6220 |
| 7120 |

SIDELIGHTS (Also compatible with the ORI-FOLD® Sliding Folding Doors.)

Unit height 10mm smaller than sizes shown
Width actual size shown



Width

| |
|-----|
| 300 |
| 600 |
| 900 |

Strengthened high rise mullion for higher windload requirements

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

DOORS | Renaissance Sliding Door

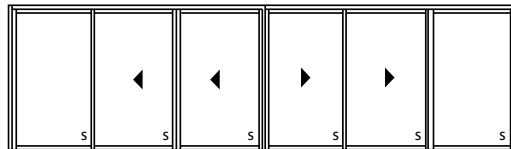
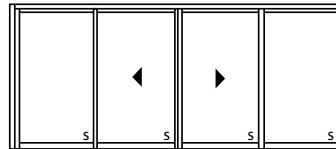
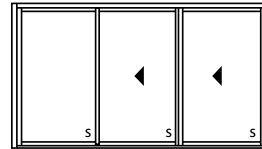
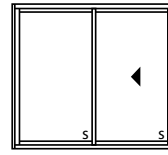
The Renaissance door will offer the following **features**:

- Thicker Interlocker, which offers better durability against weather conditions
- Bigger Aluminium Sections which leads to a stronger and more secure structure
- Double Woolpile offers improved sealing and leads to a smoother opening action
- Broader lock style allows for optional locking systems
- Double roller allows for an improved sliding action
- A1 Water Pressure compliant at 1000pa
- A2 Wind Pressure compliant at 1500pa
- Lock has anti lift feature built in



DOORS | Renaissance Sliding Door

| |
|--------------------------|
| Standard |
| 2100(h) |
| Standard Glass 5mmTSG |
| Non Standard |
| 2400(h) |
| Safety Glass 5mmTSG |



Width

Both width and height of the unit is 10mm smaller than sizes shown

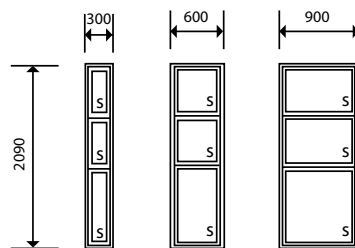
1500
1800
2000
2100
2400
2700
3000

2400
2700
3000
3300
3600
4000
4200
4500

3000
3300
3600
4000
4200
4500
4800
5400
6000

4500
4800
5100
5400
5700
6000
6300
6600
6900
7200
7500

SIDELIGHTS (Also compatible with the ORI-FOLD Sliding Folding Doors.)



Width

300
600
900

Strengthened high rise mullion for higher windload requirements

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

DOORS | Quad Sliding Door

The New Door on the Block

The newly developed QUAD is a SANS 613 certified mid-range single-glazed sliding door. This door is pitched firmly between our Eagle Patio Door and the Palace Sliding Door.

It is most suitable for residential and light commercial applications, offering an attractive contemporary look.

The door's name derives from the positive weather seals on all panels, limiting air leakage to a very impressive extent.

Adjustable tandem stainless steel rollers ensure smooth and trouble-free operation with 80kg panel capacity.

Profiles are minimalistic, yet both robust and elegant, providing substantial daylight openings.

Performance

- Air leakage - 81% better than allowed
- Green Range against SANS 204 defaults:
 - 40% better U-Value
 - 62% better SHGC

Key Features:

- CISA hook lock for added security
- Compatible with 105mm or deeper C44 frames.
- Stiles can accommodate 32mm pull handle
- 4 rows of weatherpile at all vertical meeting points

Configurations:

- Available in 2 & 4 panel options
- Coming soon in 3 & 6 panel options
- 2 interlocker combinations available



SANS 613 Certified A3 • Strong • Air Tight • Energy Efficient • Unique Design

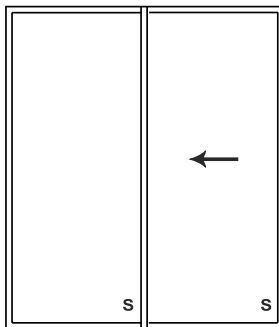


DOORS | Quad Sliding Door

In a Class of its Own!

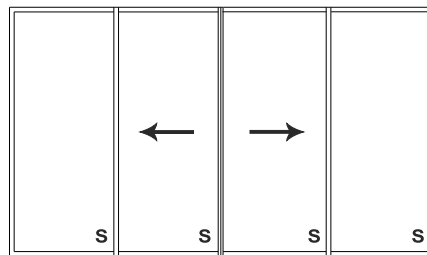
The unique **Quad Seal System** seals 4x better resulting in an air and water tight door.

2 PANEL SLIDER CONFIGURATION OX/XO



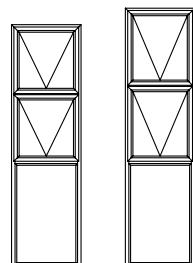
| Width | 2100(h) |
|----------------------|-------------|
| 2100(h) - 2400(h) | Interlocker |
| 1500 | L/H |
| 1500 | H/H |
| 1800 | L/H |
| 1800 | H/H |
| 2100 | L/H |
| 2100 | H/H |
| 2400 | L/H |
| 2400 | H/H |
| 2700 | L/H |
| 2700 | H/H |
| 3000 | L/H |
| 3000 | H/H |

4 PANEL SLIDER CONFIGURATION OXXO



| Width | 2100(h) |
|----------------------|-------------|
| 2100(h) - 2400(h) | Interlocker |
| 3000 | L/H |
| 3000 | H/H |
| 3300 | L/H |
| 3300 | H/H |
| 3600 | L/H |
| 3600 | H/H |
| 4000 | L/H |
| 4000 | H/H |
| 4200 | L/H |
| 4200 | H/H |
| 4500 | L/H |
| 4500 | H/H |
| 4800 | L/H |
| 4800 | H/H |
| 5400 | L/H |
| 5400 | H/H |
| 5700 | L/H |
| 5700 | H/H |
| 6000 | L/H |
| 6000 | H/H |

105mm PTT SIDELIGHTS



| Width |
|----------------------|
| 2100(h) - 2400(h) |
| 600 |
| 900 |

Notes:

- Additional charges for cylinder and handle
- Configuration to be specified when ordering
- Only available in OX/XO and OXXO configuration

Interlocker Configuration:

- Low Profile/High Profile L/H
- High Profile/High Profile H/H

DOORS | Palace Sliding Door

Our top of the range, high performance Palace Sliding Doors are the perfect choice for residential and commercial use where wide open spaces are needed.

The Palace Door allows for large door openings up to 3 meters in height. This results in a borderless panoramic view from the inside to the outside of your environment.

The Palace Sliding Door has been designed to withstand severe winds and weather conditions, suitable for those living on the coast.

Features

- Smooth and effortless sliding action
- Easy to manufacture and install
- Corrosion resistant
- Can accommodate the Crealco Horizon shutters, assisting in controlling natural light from the inside

Glazing

- The Palace high performance sliding door is suitable for both single and double glazing options

Gaskets & Seals

- Good quality and affordable gaskets and seals, locally available.

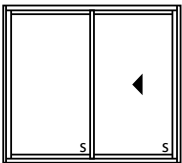
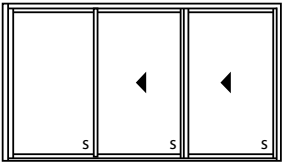
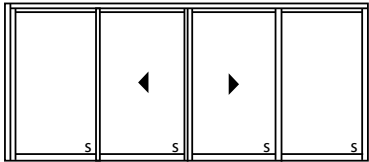
Finish

- Available in a variety of popular architectural colours and finishes

Hardware

- Reinforced interlockers for improved windload performance
- Durable and secure locking mechanisms available

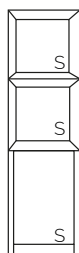


| | Width |
|--|-------|
|  | 1500 |
| | 1800 |
| | 2000 |
| | 2100 |
| | 2400 |
| | 2700 |
| | 3000 |
|  | 3000 |
| | 3600 |
| | 4200 |
| | 4800 |
| | 5400 |
| | 6000 |
|  | 3000 |
| | 3600 |
| | 4000 |
| | 4200 |
| | 4800 |
| | 5400 |
| | 6000 |

Both width and height of the unit is 10mm smaller than sizes shown

SIDELIGHTS (Also compatible with the ORI-FOLD® Sliding Folding Doors.)

Unit height 10mm smaller than sizes shown
Width actual size shown



Width

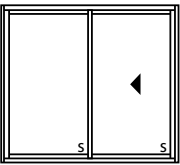
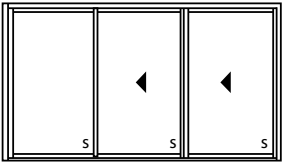
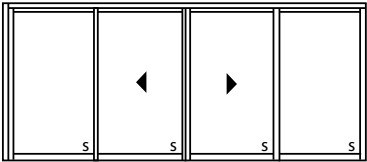
600 for 2/4 Panel Door
900 for 2/4 Panel Door

600 for 3/6 Panel Door
900 for 3/6 Panel Door

Can accommodate Laminated Safety Glass, Toughened Safety Glass and Double Glazing Options. SIG double glazed units are TSG clear combinations.

STANDARD FINISH AND SPECIAL COLOURS

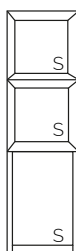
- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

| | Width |
|--|-------|
|  | 1500 |
| | 1800 |
| | 2000 |
| | 2100 |
| | 2400 |
| | 2700 |
| | 3000 |
|  | 3000 |
| | 3600 |
| | 4200 |
| | 4800 |
| | 5400 |
| | 6000 |
|  | 3000 |
| | 3600 |
| | 4000 |
| | 4200 |
| | 4800 |
| | 5400 |
| | 6000 |

Both width and height of the unit is 10mm smaller than sizes shown

SIDELIGHTS (Also compatible with the ORI-FOLD® Sliding Folding Doors.)

Unit height 10mm smaller
than sizes shown
Width actual size shown



Width

600 for 2/4 Panel Door
900 for 2/4 Panel Door

600 for 3/6 Panel Door
900 for 3/6 Panel Door

Can accommodate Laminated Safety Glass, Toughened Safety Glass and Double Glazing Options. SIG double glazed units are TSG clear combinations.

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DOORS | Hinge Door

Hinged Aluminium doors are probably the most standard type of doors, hinged onto the door jamb either on the left or right, allowing them to open inward or outward but not both ways. Hinged doors can be manufactured as single doors or double doors (french doors).

The outer frame is manufactured from sturdy extruded aluminium, while the centre section can be fitted with glass or aluminium cladding. These doors can also be manufactured in cottage pane style.

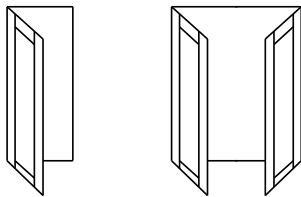
Hinged doors are the most natural choice for standard opening in homes or offices. If you have door openings between 900mm and 1500mm wide, you should consider a swing door. And if the door openings are wider than 1500mm you can choose to go with a sliding door, or a folding door.

Features

- Doors manufactured to precise custom sizes
- Single or double door design
- Seals well against all weather conditions
- Can be manufactured with side-lights or top-lights for additional lighting to the interior
- Sidelights can incorporate windows for additional ventilation
- Available in anodised or powder-coated aluminium.
- Available in a wide range of powder-coated colours.
- Available in toughened glass or laminated safety glass.
- Glass can be tinted in a range of colours.
- Single door sizes up to 900mm in width, and up to 2.7m in height.
- Double door sizes up to 1.8m wide x 2.7m height

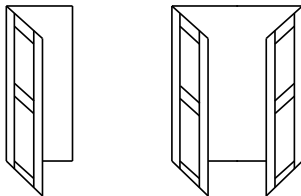


LARGE PANE DOOR



| Width | |
|-------|------------------------|
| 900 | Large Pane Single Door |
| 1200 | Large Pane Double Door |
| 1500 | Large Pane Double Door |
| 1800 | Large Pane Double Door |

HINGE DOOR WITH MIDRAIL



| Width | |
|-------|--------------------------|
| 900 | With Midrail Single Door |
| 1200 | With Midrail Double Door |
| 1500 | With Midrail Double Door |
| 1800 | With Midrail Double Door |

SIDELIGHTS

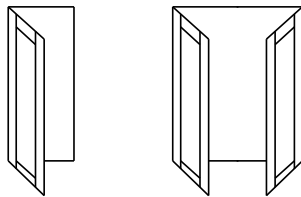


| Width | |
|-------|----------------------|
| 600 | Large pane sidelight |
| 900 | Large pane sidelight |
| 600 | With Midrail |
| 900 | With Midrail |
| 600 | With Vents |
| 900 | With Vents |

STANDARD FINISH AND SPECIAL COLOURS

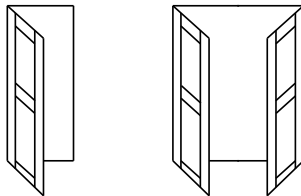
- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

LARGE PANE DOOR



| | Width |
|------------------------|-------|
| Large Pane Single Door | 900 |
| Large Pane Double Door | 1200 |
| Large Pane Double Door | 1500 |
| Large Pane Double Door | 1800 |

HINGE DOOR WITH MIDRAIL



| | Width |
|--------------------------|-------|
| With Midrail Single Door | 900 |
| With Midrail Double Door | 1200 |
| With Midrail Double Door | 1500 |
| With Midrail Double Door | 1800 |

SIDELIGHTS



| | Width |
|----------------------|-------|
| Large pane sidelight | 600 |
| Large pane sidelight | 900 |
| With Midrail | 600 |
| With Midrail | 900 |
| With Vents | 600 |
| With Vents | 900 |

STANDARD FINISH AND SPECIAL COLOURS

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- A list of Type 1 and Type 2 special colours are available on request

DOORS | Stack Away Door

The Stack Away Door is a modern and innovative design system, which allows remarkable large openings, enabling you to open your space and let the outdoors in.

The Stack Away Door has been engineered to suit a wide range of residential, commercial, and industrial applications where strength and large openings are desired in the buildings.

It has multiple panels which slide and fold effortlessly away, allowing for the smooth conversion from your interior to the outdoors.

Features

- Smooth and effortless sliding motion
- Ideal to link your interior space to your exterior environment
- Allows you to open your patio area completely
- Double seals to ensure no leaking
- Bottom rolling system

Glazing

- Suitable for both single and double glazing

Gaskets & Seals

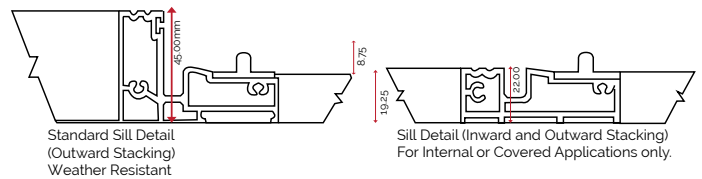
- High quality
- Locally Available
- Affordable and reliable

Finish

- Available in a variety of popular architectural colours and finishes

Hardware

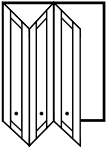
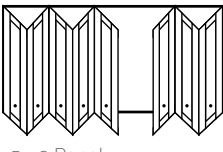
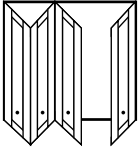
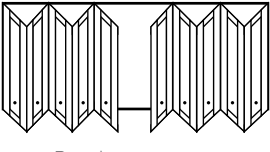
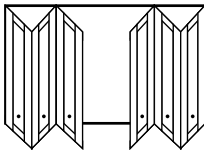
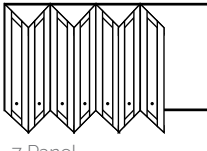
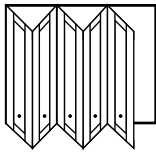
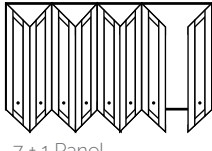
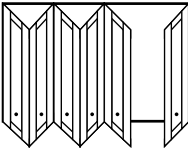
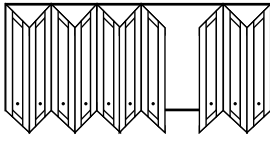
- Designed to accommodate standard local hardware
- Handles, hinges, and bottom rollers readily available
- Reliable and secure locking mechanism



SILL DETAILS: Sill used for level floor option.



DOORS | Stack Away Door

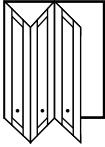
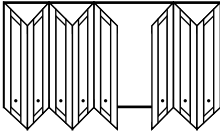
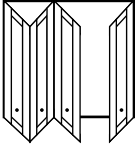
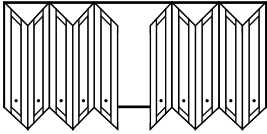
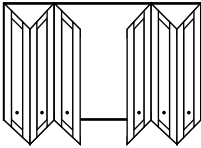
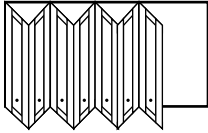
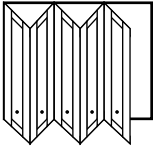
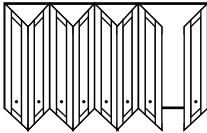
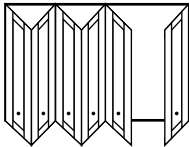
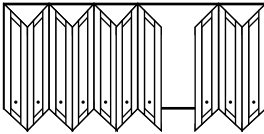
| | 1800(h) to 2700(h) TSG | | 1800(h) to 2700(h) TSG |
|---|---|--|---|
|  | Up to 1.8m 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 Panel | | 5 + 3 Panel | |
|  | 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 1 Panel | | 5 + 5 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 3 Panel | | 7 Panel | |
|  | 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 Panel | | 7 + 1 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 + 1 Panel | | 7 + 3 Panel | |

Can accommodate Laminated Safety Glass, Toughened Safety Glass and Double Glazing.

STANDARD FINISH AND SPECIAL COLOURS

- Standard Finishes in all regions are Bronze Powder Coated, White Powder Coated and Natural Anodised
- Special Colours Type 1 add 5% on standard price
- Special Colours Type 2 add 10% on standard price
- A list of Type 1 and Type 2 special colours are available on request

DOORS | Energy Efficient Stack Away Door

| | 1800(h) to 2700(h) 6mm Low-E TSG | | 1800(h) to 2700(h) 6mm Low-E TSG |
|---|---|--|---|
|  | Up to 1.8m 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 Panel | | 5 + 3 Panel | |
|  | 1.8m - 2.1m 2.1m - 2.4m 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 1 Panel | | 5 + 5 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 3 + 3 Panel | | 7 Panel | |
|  | 2.4m - 2.7m 2.7m - 3.0m 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m |  | 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 Panel | | 7 + 1 Panel | |
|  | 3.0m - 3.3m 3.3m - 3.6m 3.6m - 3.9m 3.9m - 4.2m 4.2m - 4.5m 4.5m - 4.8m 4.8m - 5.1m 5.1m - 5.4m 5.4m - 5.7m |  | 5.1m - 5.4m 5.4m - 5.7m 5.7m - 6.0m 6.0m - 6.3m 6.3m - 6.6m |
| 5 + 1 Panel | | 7 + 3 Panel | |

Can accommodate Laminated Safety Glass, Toughened Safety Glass and Double Glazing.

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DOORS | Shower Range

- The **Pivot shower door** combined with adjustable return panels, allows them to be set at any angle.
 - A shower design that makes optimal use of space and offers easy access.
 - Contemporary designs offering both flexibility in size and shape.
 - Includes an inner door splash seal and a full length magnetic closing system.
 - Offers a versatile and aesthetic solution.
-
- A Superior **Tri-Slider Shower door** that finally works.
 - Quiet, durable and easy sliding door panels.
 - Compatible with adjustable return panels which can be set at any angle.

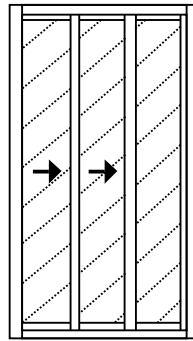
Aluminium Glass Solutions Manufacture and Supply Elegant and Upmarket **Frameless Showers**.

- 8mm Toughened Safety Glass Supplied.
- Chrome Plated Hardware.
- Design Assistance Programme.
- Detailed 3D Mock up sketches available

NB: All Frameless showers are purpose made.

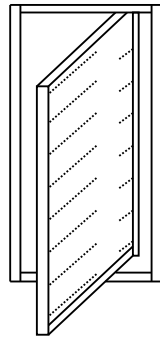


Tri Door



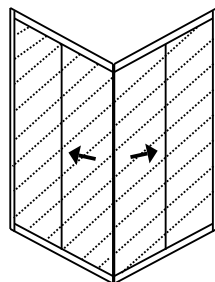
| Adjustment | |
|------------|---------------|
| 700 | (676 - 731) |
| 750 | (726 - 781) |
| 800 | (776 - 831) |
| 850 | (826 - 881) |
| 900 | (876 - 931) |
| 950 | (926 - 981) |
| 1000 | (976 - 1031) |
| 1050 | (1026 - 1081) |
| 1100 | (1076 - 1131) |
| 1150 | (1126 - 1181) |
| 1200 | (1176 - 1231) |

Pivot Door



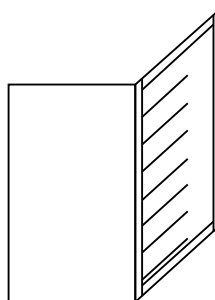
| Adjustment | |
|------------|--------------|
| 600 | (576 - 631) |
| 650 | (626 - 681) |
| 700 | (676 - 731) |
| 750 | (726 - 781) |
| 800 | (776 - 831) |
| 850 | (826 - 881) |
| 900 | (876 - 931) |
| 950 | (926 - 981) |
| 1000 | (976 - 1031) |

Corner Entry



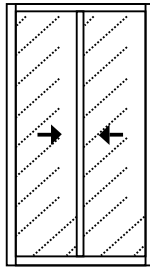
| Adjustment | |
|------------|---------------|
| 800 | (786 - 814) |
| 900 | (886 - 914) |
| 1000 | (986 - 1014) |
| 1100 | (1086 - 1114) |

Return Panel



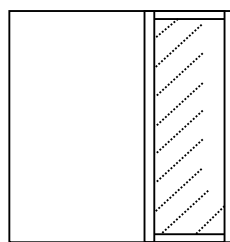
| Adjustment | |
|------------|--------------|
| 600 | (576 - 608) |
| 650 | (626 - 658) |
| 700 | (676 - 708) |
| 750 | (726 - 758) |
| 800 | (776 - 808) |
| 850 | (826 - 858) |
| 900 | (876 - 908) |
| 950 | (926 - 958) |
| 1000 | (976 - 1008) |

Bi Slider



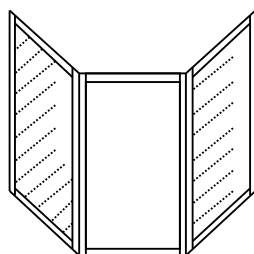
| Adjustment | | |
|------------|---------------|--|
| 1100 | (1076 - 1131) | |
| 1200 | (1176 - 1231) | |
| 1300 | (1276 - 1331) | |
| 1400 | (1376 - 1431) | |

In Line Panel



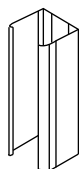
| Adjustment | | |
|------------|-------------|--|
| 300 | (284 - 316) | |
| 400 | (384 - 416) | |
| 500 | (484 - 516) | |
| 600 | (584 - 616) | |

Penta Return Panels



| Adjustment | | |
|---------------------|-------------|--|
| 400 | (384 - 416) | |
| (Sold in sets of 2) | | |
| 420 | (404 - 436) | |
| (Sold in sets of 2) | | |

Extension Profile



1800(h) 25mm
Extension Profile

Frameless Shower

Frameless shower prices are available on request.

DOORS | Trellis Gate

The Trellis Security Gate design offers:

- 12 x 12mm Double Uprighted Security Barrier.
- 25 x 5mm flights – Sizes from 1110mm high and up.
- The strongest and most solid flight configuration currently available in the South African market.
- Its features, coupled with extra slot support stainless steel rivets, an Aluminium extruded top and bottom track, coupled with anti-twist functions ensures a top quality product second to none.
- Its slam lock and dead lock qualities, together with double sealing bearings on all uprights allows for the weight of the product to be equally distributed along the entire door.
- The Martial Eagle security gate is available in both single and double fixtures, with fixture sizes from 450mm upwards.

SIDE LOCKING - STANDARD SIZES:

| Width | Adjustment | Standard 2080(h) - 2090(h) |
|-------|---------------|----------------------------|
| 900 | (700 - 1010) | |
| 1800 | (1500 - 1920) | |
| 2400 | (1920 - 2460) | |

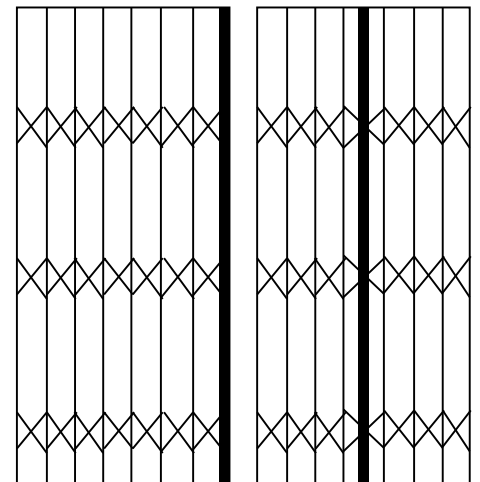
Custom sizes and centre locking option available on request.

STANDARD COLOURS:

White and Bronze

LOCKING OPTIONS:

Side Locking
Centre Locking



PRO BAR

Certified Suppliers and Fitters of Clear Burglar Proof Bars (10 year guarantee).

Pro Bar security bars are uniquely designed transparent burglar bars made from specific polycarbonate.

These substances are amongst the strongest thermoplastics ever produced. It is impossible to break the burglar bars with stones, bricks, or a hammer.

The product has a tensile breaking strength of 3000kg making it virtually indestructable. Polycarbonate is impact resistant and is widely used for riot shields, bulletproof windows, and enclosures as seen in banks and moreover is rust and maintenance free.

These bars have a 10 year warranty and are also UV protected.



TINTING

Window Film

AGS supply and install a wide range of high performance window film, specifically designed to solve glass related issues such as heat & glare, safety, security and privacy.

- **Heat & Glare:** Heat can be magnified by glazing, quickly making premises uncomfortable. Glare makes it hard to focus on screens, equipment and colleagues and can quickly create an unpleasant working environment. An application of solar control window film is an effective and cost efficient way to reduce the heat and glare in your offices without sacrificing natural light.
- **Privacy:** Privacy is required throughout commercial properties for a variety of reasons. Window film can provide both one-way and two-way privacy, and can be printed to feature graphics or logos, as well as being combined with safety and security films.
- **Safety and Security:** Glazing can be fragile as well as a target for intruders. SFF offers a wide range of safety and security films, with a range of thicknesses and performance levels to meet your requirements.
- **Glass decoration:** SFF can provide full colour graphics, printed wallpaper as well as bespoke glass art, each provided to your exact specification to meet both your functional and aesthetic requirements.
- **Fading:** Sunlight streaming through your windows can cause furniture and flooring to fade. AGS can supply and install specialist film that will cut down the unwelcome effects.



SLIDING DOOR SYSTEMS

Silhouette 2000

Top hung glass sliding system for 8mm to 12mm toughened safety glass

- No hardware is visible as glass clamps are inside the top track
- Maximum panel weight:
 - 60kg with 2 hangers
 - 90kg with 3 hangers
 - 120kg with 4 hangers
- Easy installation with no holes needed in glass
- Parts are sold separately
- Products for both internal and external use

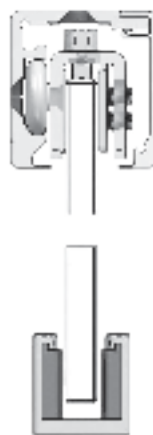
SDS2000

The SDS2000 kit can be side fixed or soffit fixed



SDS2001

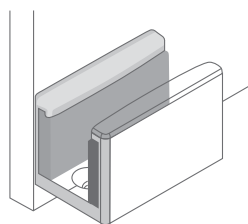
The SDS2001 kit is for side fixing to a fixed glass panel, and includes the glass track connectors



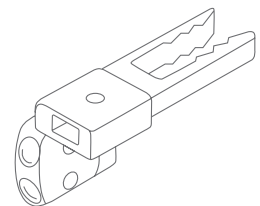
Complete Kit Comes With The Following:

- 2 x Hangers
- 2 x Door stops
- 2 x End caps
- 1 x Aluminium bottom guide
- 1 x 3000mm Aluminium track and pelmet
 - Available in:
Satin Anodized Finish

Aluminium Floor Guide

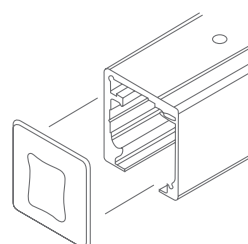


Door Stopper



End Cap

Aluminium rail



DOOR HANDLES



| CODE | DESCRIPTION | HOLE DISTENTIONS | DIAMETER | HOLE CENTRES | OVERALL LENGTH | FINISH |
|------|------------------------|------------------|----------|--------------|----------------|--------|
| F400 | D Pull Handle | 12mm | 32mm | 300mm | 332mm | SSS |
| F401 | D Pull Handle | 12mm | 19mm | 130mm | 130mm | SSS |
| F402 | D Cranked Pull Handle | 12mm | 32mm | 300mm | 332mm | SSS |
| F403 | C Cranked Pull Handle | 12mm | 32mm | 300mm | 332mm | SSS |
| F404 | T Straight Pull Handle | 12mm | 32mm | 350mm | 500mm | SSS |
| F405 | T Straight Pull Handle | 12mm | 32mm | 350mm | 500mm | PSS |
| F406 | T Cranked Pull Handle | 12mm | 32mm | 350mm | 500mm | SSS |
| F407 | S Pull Handle | 12mm | 32mm | 400mm | 600mm | SSS |



| CODE | DESCRIPTION | HOLE DISTENTIONS | DIAMETER | HOLE CENTRES | OVERALL LENGTH | FINISH |
|------|--|------------------|-------------|--------------|----------------|--------|
| F408 | Semi-C Pull Handle | 12mm | 32mm | 350mm | 420mm | SSS |
| F409 | T Miter Handle | 12mm | 32mm | 350mm | 400mm | SSS |
| F410 | T Miter Handle | 12mm | 32mm | 500mm | 600mm | SSS |
| F411 | T Straight Handle | 12mm | 32mm | 900mm | 1170mm | SSS |
| F412 | T Straight handle | 12mm | 25mm | 125mm | 200mm | PSS |
| F413 | T Cranked Handle | 12mm | 32mm | 150mm | 400mm | SSS |
| F414 | D Off-set Handle | 12mm | 19mm | 130mm | 150mm | SSS |
| F501 | Lockable pull handle with key cylinder | 12mm | SQUARE 35mm | 1125mm | 1500mm | SSS |

BALUSTRADES

The Crealco NewYork is an aluminium balustrade system that gives you peace of mind when used on balconies or similar applications.

Add a bit of style to your home when choosing the Crealco NewYork balustrade with the option of either decorative glass panels or aesthetically pleasing powder coated aluminium profiles.

Features:

- Customised design
- Designed to comply to the National Building Regulations of South Africa
- Aesthetically pleasing yet strong and durable
- Heavy duty stanchion available with end cap

Glazing:

- Clear or tinted safety glass may be used for optimal viewing

Gaskets & Seals:

- High quality Crealco gaskets available
- Affordable and durable

Finish:

- Available in a variety of popular architectural powder coating colour and finishes

Hardware:

- Designed to accommodate Crealco components
- End caps available to suit various hand rails



BALUSTRADES

Typical Configurations

Configurations with either glass panels or square tube railings are available



Various hand rail options to choose from



One of the New York hand rails with end caps to match

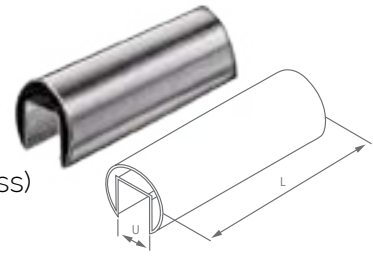


GLASS BALUSTRADES

Balustrade Handrails And Fittings

U-channel Handrail

- 42mm diameter
- 304 Grade Stainless Steel
- Excludes rubber profile (available for 8–11mm glass or 11–13mm glass)
- Material: Stainless Steel
- Available colours: 316 Grade Polished and Satin Stainless Steel ■



Accessories

IN-LINE CONNECTOR
For 42mm diameter
handrail channel



90° FLUSH ELBOW
For 42mm diameter
handrail channel



RUBBER PROFILE
For U-Channel handrail
For 10–13mm glass



Stainless steel has many unique values that make it a powerful candidate in material selection for balustrade handrails and fittings.



GLASS BALUSTRADES

Handrail Bracket

Glass mount
For 38mm or 50mm
diameter round tube



Handrail Bracket

Wall mount
For 38mm or 50mm
diameter round tube



Wall Flange

For 42mm diameter
handrail channel



End-cap

For 42mm diameter
handrail channel
Available in:
Polished and Satin
Stainless Steel Finish



Balustrade Support Clamp

50mm diameter x 12mm
Material:
304 Grade Stainless Steel
Available in:
Satin Stainless Steel Finish



STAND-OFF BOLTS

Side-mount Balustrade Fittings

48mm diameter x 50mm
Requires 12mm threaded rod
(Not supplied by GHI)
Material:
304 Grade and 316 Grade Satin
Stainless Steel
Available colours:
Polished and Satin Stainless
Steel Finish



STAND-OFF BOLTS

Side-mount Balustrade Fittings

38mm diameter x 38mm
Requires 10mm threaded rod
(Not supplied by GHI)
Material:
304 and 316 Grade Satin
Stainless Steel
Available colours:
Polished and Satin Stainless
Steel Finish



SPIGOTS

Top-mount Spigot With Cover Plate

Material:
2205 Marine Grade Stainless Steel
Cover Plate is included
No holes required on glass / panel

GLASSWALL PARTITIONING

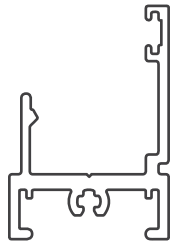
Silhouette Glass Wall

Aluminium internal glass partition system. Suitable for 10mm or 12mm toughened safety glass. Universal Gasket used throughout system regardless of glass thickness.

Top And Bottom Rail

SMALL

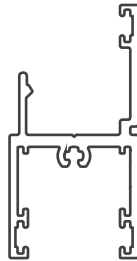
Small 42mm – smallest for minimalistic look



Top And Bottom Rail

MEDIUM

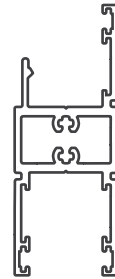
Medium 59mm – to match existing drywall skirting



Top And Bottom Rail

LARGE

Large 80mm – to match aluminium transom sections



Glazing Leg

Interchangeable with all rail sizes



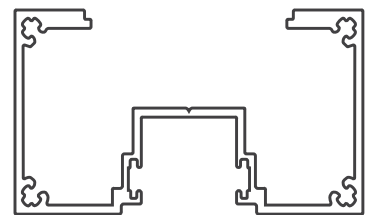
Rail Fixing Lug

For use with uneven floor or ceiling levels
Interchangeable with all rail sizes



Vertical Mullion

For use as door jams and wall endings

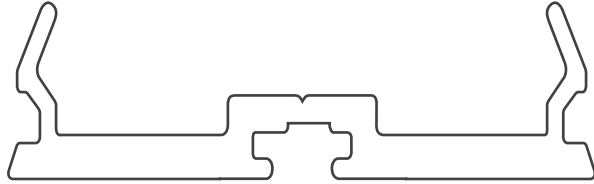


GLASSWALL PARTITIONING

Top And Bottom Rail

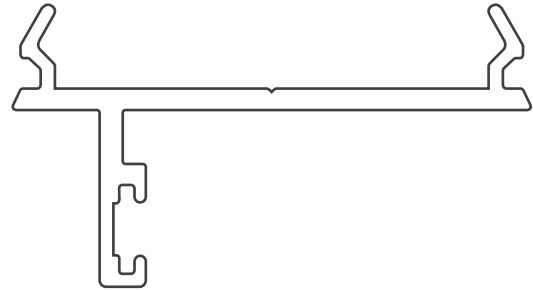
SMALL

Small 42mm – smallest for minimalistic look



Rebate Door Jamb Adaptor

For use with single action or hinged doors



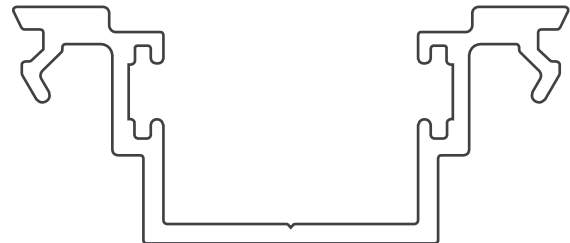
Flat Adaptor

For closed mullions



In-line Glazing Adaptor

For use with continuous glass panels



Gasket

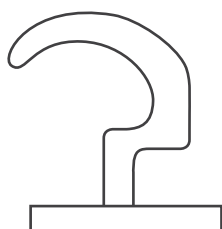
Base width 6.7mm

Height 8mm

Roll length 100mm

Material:

EPDMel



Self-adhesive Polycarbonate Seal

For 10mm or 12mm fixed panels



PLASTERBOARD

The question of quality versus speed has always been a contentious one in interior design. Economics and demand require buildings to go up quickly and affordably, which can compromise quality. Our Plasterboard offers an alternative solution for internal walls and can be used for both residential and commercial ceiling applications, as well as walling and partitioning applications. Our Plasterboard is also used to form bulkheads, create curved ceilings, floating ceilings and radiused walls. An extremely versatile product which can accommodate innovative and creative design features. Our Plasterboard achieves the aesthetic requirements of the design without the necessary drying time for alternate wet trade solutions. All of our products are compatible with our ceiling and partition systems by design.

Features and Benefits

- Quick and easy to install
- Durable
- Recyclable
- Versatile

In addition to these benefits Plasterboard is:

- Lighter in weight than most other plasterboards
- Includes a fibre re-inforced core for added strength and flexibility
- Has a narrower taper which reduces the area required for jointing saving both time and costs
- Two boards are taped together protecting the face of the board

7mm Plasterboard Square Edge

Recommended for residential ceilings when used in conjunction with our JUMBO Suspension system an extremely level ceiling surface can be achieved.

Our Plasterboard is slightly thicker with added fibres improving both strength and flexibility.

Orders and planning are simplified and handling and storage is easier on site as 7mm Plasterboard is stocked in 4 lengths and 1 width only.



FIRE WALLING

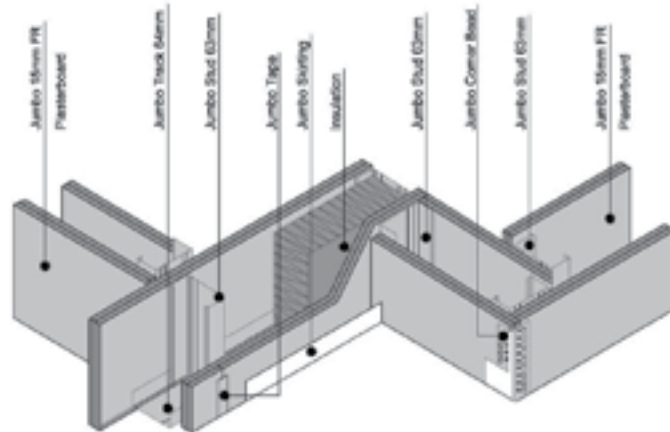
AGS's fire resistant boards are specially developed to offer superior fire resistance performance when used as cladding on drywall partitions.

We have expanded the Jumbo range to include a Fire rated solution; Our FireWALL 63/120/S56 has successfully passed the two hour fire test. The two hour test is particularly aggressive and requires the wall to withstand fire-side temperatures in excess of 1000OC.

The FireWALL comprising of two 15mm Fire Resistant boards on either side of a 63mm Stud successfully passed the required two hour test without any insulation being used in the cavity.

Features and Benefits

- Lightweight construction
- Easy, fast and dry application
- 2 Hour fire rating achieved
- Excellent sound insulation performance - 56 Rw DB
- FR board contains glass fibre additives to maintain the integrity of the board for longer time periods when exposed to fire
- Environmentally friendly
- Limitless design options



IDEAL FOR USE IN

Healthcare, Education, Commercial, Residential & Hospitality



CEILING SYSTEMS

Suspended Ceilings

The advantage of suspended ceilings is in their ability to create an aesthetic interior finish while concealing and allowing access to all the services that make an interior space function practically including lighting and air-conditioning and if required optimising acoustics as well.

Our suspended ceilings are designed to meet the most stringent requirements for modern day complex buildings and is suitable for any suspended ceiling application including offices, retail outlets, hospitals, schools, hotels and restaurants.

Features and Benefits

- High quality hot-dip galvanised steel with pre-painted capping ensuring effectiveness against corrosion and high light reflectance properties
- Positive lock coupling mechanisms with audible click
- Econogrid can be disassembled and reused
- Stepped end cross tees that prevent tee rotation
- Mid-span deflection not exceeding 1/360 of the span length
- Main Tee includes a fire safety feature (see additional information below)
- Main Tees are punched at 100 centres to facilitate versatility for all tile sizes

Grid Ceilings

The evolution of flush plastered ceilings with more and more elaborate design features has enabled the ceiling to become a major decorative feature that draws the eye and enhances the interior space. Flush plastered ceilings facilitate a variety of effects including precision lines and a perfectly seamless finish to dramatic floating ceilings as well as layered ceilings. By adding lighting effects the finished product is a flawless ceiling that adds style, sophistication and luxury to any living or working space.

Features and Benefits

- High performance, durability and ease of installation
- High quality galvanised steel - effective protection against corrosion
- Offers versatility and flexibility to designers
- Positive lock coupling mechanisms with audible click
- Stepped end cross tees that prevent tee rotation
- Knurled face allows positive screw fixing

Foil Back Gypsum Ceiling Tile

Features and Benefits include:

- Foil backing increases thermal resistance and NRC properties
- Encapsulated (taped) edges limit water penetration, promote a longer life span and minimize gypsum dust
- Tiles are non-toxic, non-combustible and resistant to humidity

CEILING SYSTEMS

Calcium Silicate Ceiling Tile

Our Calcium Silicate Ceiling Tile is produced from calcium silicate and is an extremely strong and durable tile. It has a white vinyl face and an aluminium foil backing, as well as encapsulated edges which further enhance the tiles inherent properties.

Insulated Calcium Silicate Ceiling Tile

These tiles have an added component of 25mm fire retardant polystyrene applied to the back of the standard tile which improves the thermal resistance of the tile. All the other features and benefits of the standard tile apply as well. These tiles can be cut with a scoring knife, circular saw or hand saw.

Characteristics

Humidity Resistance
Fire Classification
Durability
Density
Thermal Resistance
Impact Resistance

White

100%
Class A/A1/2
Termite and rodent proof
1.01 g/cm³
0.7 - 0.8 m²k/w
High impact resistance

Mineral Fibre Ceiling Tile

Features and Benefits include:

- Humidity resistance up to RH 95%
- Sound absorption in accordance with JC/T 670-2005 (which is the standard of the test through the System of Sound absorption Index)
- Light reflecting up to 90%
- CAC (sound insulation level) up to 35
- Environmentally friendly
- Moisture and fire resistant
- No asbestos
- No radiation



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.