

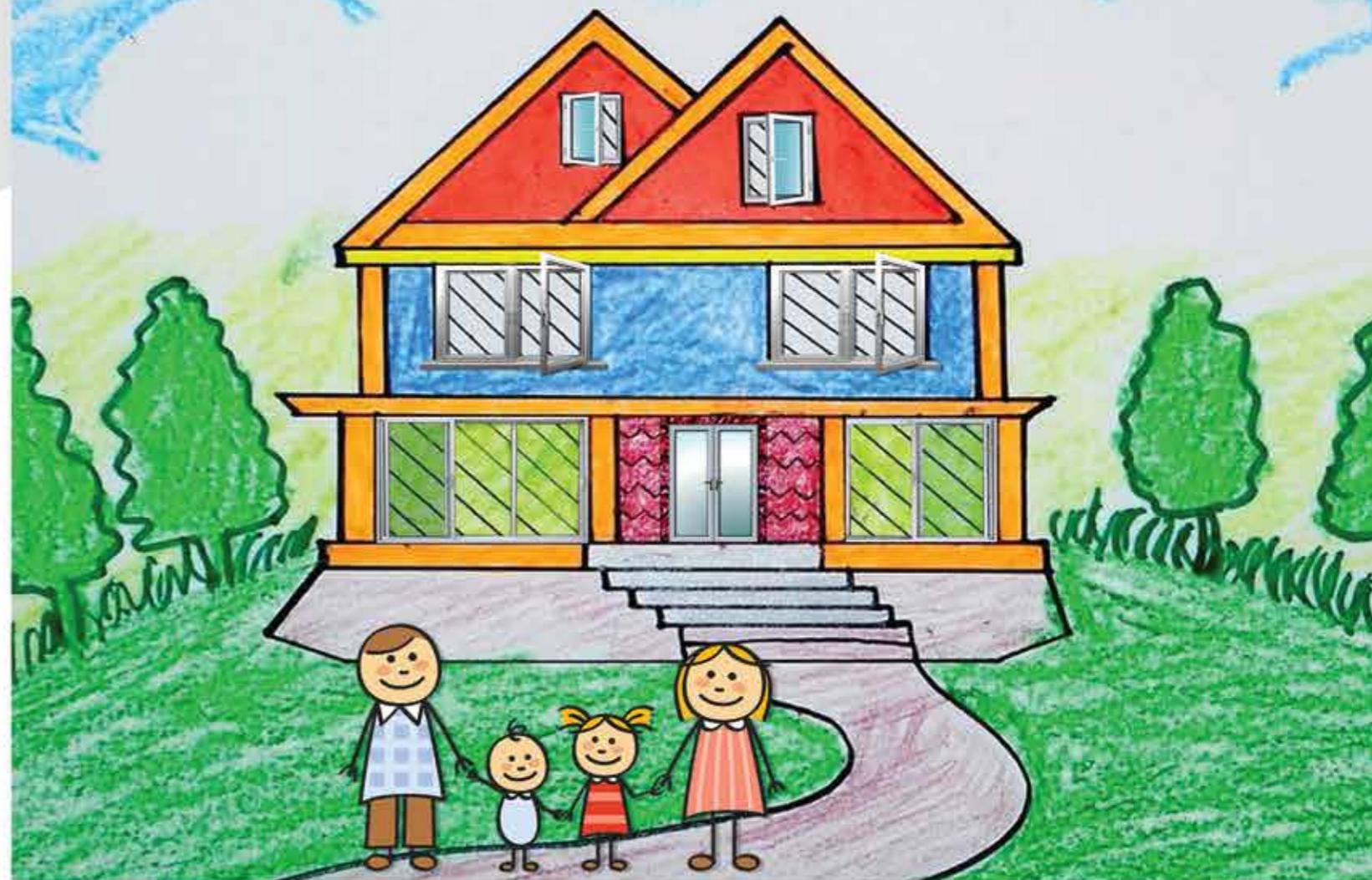
ST. ANTHONY S INDUSTRIES GROUP (PVT) LTD.

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Customer Support

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Elegant | Energy-saving | Eco-Friendly
uPVC door and Windows from



We lead where it matters

Why Choose uPVC?

Un-Plasticized Polyvinyl Chloride (uPVC), is revolutionizing the construction industry by helping to create more eco-friendly buildings. The stronger, more durable alternative to PVC, uPVC is the perfect material for construction with the added benefit of being the better solution for the environment.

When you choose uPVC, you reduce the dependency on wood which helps to promote the conservation of forests. For every 6,000 MT of uPVC Windows and doors we produce, 32,000 hectares of forest are preserved. Compared to aluminum, uPVC also maximizes energy-saving insulation, which reduces your energy bills and helps protect our precious natural resources.

Anton uPVC Windows and Doors are the smarter choice for those who are looking for construction material that is a sustainable and durable option. It is the recommended material for hotels, apartments, factories and homes that want to limit their impact on the environment and still strive for the most dependable and best quality material.

Is Anton uPVC the Right Choice?

1. We are trustworthy. We are the only company that provides a claimable 10 year warranty for door and window profiles.
2. We are a 100% Sri Lankan. We are committed towards rebuilding Sri Lanka's economy. We are the only local manufacturer that does not import any of our door and window profiles. When you choose us, you choose to help the local economy.
3. A smooth and seamless process. Our team of professionals will ensure that service is provided from start to finish.
4. Customized for you. Anton uPVC door and window profiles offer you tailor-made options to suit your home and lifestyle.
5. The right choice for everyone. Anton energy efficient uPVC door and window profiles produce smaller carbon footprint and smaller energy bills. A better solution for your home, your wallet and the planet.

uPVC Comparison with Aluminum and Wood

	uPVC Windows	Aluminum Windows	Wooden Windows
Aging Resistance	Very Good	Poor	Very Poor
Unaffected by Temperature	Very Good	Poor	Very Poor
Sea Water Resistance	Very Good	Poor	Poor
Dimensional Stability	Very Good	Fair	Poor
Thermal Insulation	Very Good	Poor	Very Poor
Low Maintenance	Very Good	Good	Poor
Termite Resistance	Very Good	Good	Poor
Corrosion Resistance	Very Good	Fair	Poor
UV Resistance	Very Good	Fair	Poor
Fire Resistance	Very Good	Fair	Very Poor
Fire Escape	Easy	Fair	Very Poor
Protecting Paint or Polish Required	No	Yes	Yes



Who We Are

Anton is a 100% Sri Lankan House Hold Solutions manufacturer. For over 70 years our brand has helped both local and international customers find their ideal house hold solutions through our unique designs, consistent innovation, internationally recognized quality standards and well analyzed customer focus.

The Anton uPVC systems have set a new standard and trend in the industry, combining technical excellence with aesthetic appeal and consistently exceptional installation services.

Over the last decade Anton has also introduced uPVC doors and window profiles. Our diverse and growing product portfolio ranges from Water Tanks, PVC pipes, CPVC Pipes, PVC boards, uPVC Doors & Windows, Roofing Systems, Water Purification Systems etc.

FEATURES AND BENEFITS

Wind resistance:

With broad steel-reinforced sections for added strength, Anton uPVC Windows and Doors provide sturdy resistance against strong winds. By using multiple seals, we ensure that wind doesn't force its way indoors, which means no more whistling and rattling even during storms.

* Height-10 m Wind zones
(based on 3 s wind speeds)



Exceptional sound-proofing:

Everyday noise pollution can cause fatigue, stress and even loss of hearing! The multi-chamber design and TPE gasket sealing of Anton uPVC Windows and Doors ensures superior sound-proofing, allowing you to block out street noise by up to 45 decibels (if double glass) and giving you the peace and quiet you desire.

Decibels	Type of noise	Effect
0	Absolute silence	Minimum audible value
10	Desert silence	
20	Whispering	
30	Quiet countryside	
40	Normal voices	
50	Quiet apartment	Fatigue
60	Loud voices	
70	Busy street	
80	Orchestra	
90	Heavy traffic	
100	Metro train arriving	Pain Threshold
110	Lawn mower	
120	Car horn	
130	Aircraft engine	

Fire-resistance:

The low thermal conductivity of uPVC means that the risk of flammability is almost nil, giving you the peace of mind that comes with knowing your building or home is safe.

FEATURES AND BENEFITS

Customized for Sri Lankan UV exposure:

Since ultraviolet radiation levels vary worldwide, Anton uPVC Windows and Doors are specially formulated to suit Sri Lankan conditions, making them superior to imported competitors for use in this country.

Country	UV factors	Wind Force
* Sri Lanka	8 - 12	180 km/hr
China	4 - 6	
Germany	3 - 5	

Energy-efficient production:

The energy required to produce a window of Aluminium is 2.5 times more than the energy required to produce a uPVC window.

Material	Energy used G joules/ton	Critical volume of air m ³ of air/kg	Critical volume of water dm ³ water/kg
PVC	53	700	3000
Aluminium	200	9320	27700

Cost-effective and easy to maintain:

Anton uPVC Windows and Doors are easy to maintain. Simply clean with water! uPVC does not require any painting during the entire usable life. This means that our Windows and Doors are the most cost-effective solution in the long-run.

Resource re-use:

uPVC is 100% recyclable. A report by the British Plastic Federation states that uPVC can be recycled with ease. It is now common practice to recover & recycle factory waste and/or off-cuts even after the window has been fabricated.

Indoor Environment Quality:

Excellent sealing keeps environmental pollutants like dust, tobacco and vehicle smoke isolated.



COMPARISON ANALYSIS

PARAMETER	WOODEN WINDOWS	ALUMINIUM WINDOWS	ANTON Upvc	ADVANTAGE
Weather Effects	Warpage, Shrinkage, Infestation	Discoloration	None	✓
Thermal Insulation	Yes, but air intrusion (due to no gaskets)	Poor Insulation	High Insulation	✓
Sound Insulation	Yes, but air intrusion (due to no gaskets)	Poor Insulation	High Insulation	✓
Designs	Yes, but high costs for quality	Yes but no aesthetic appeal	Multiple Options	✓
Quality	On site fabrication	On-site fabrication with Mechanical joints	Customized pre-fabricated fusion-welded joint on automated machines	✓
Ease of Maintenance	Requires high maintenance	None for discoloration	Yes	✓
Durability	Regular maintenance	Yes	Long life, highly durable	✓
Green Product	No	No	Yes	✓

AVAILABLE COLORS



White



Black

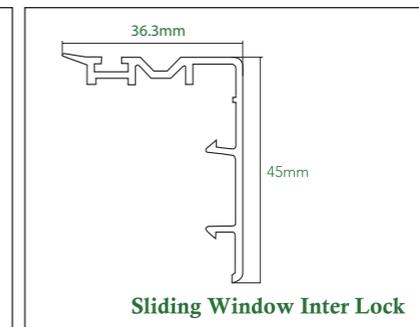
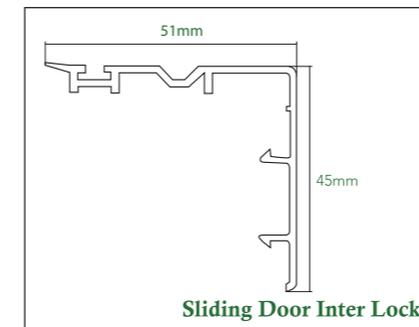
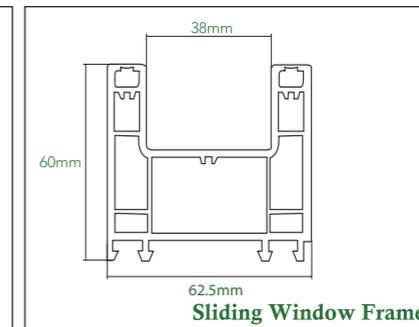
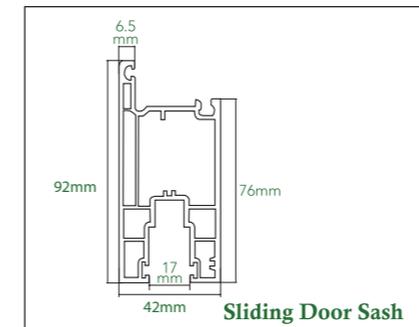
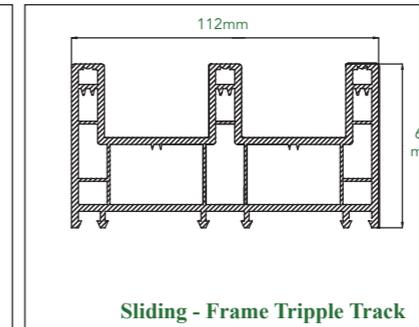
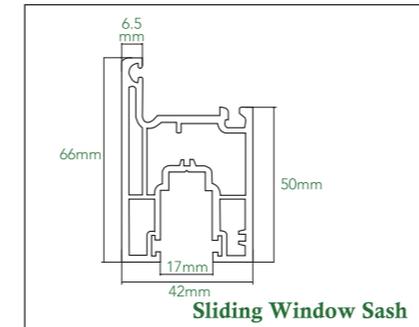


Teak



Mahogany

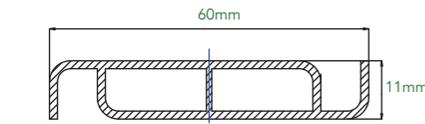
SLIDING PROFILE SPECIFICATION



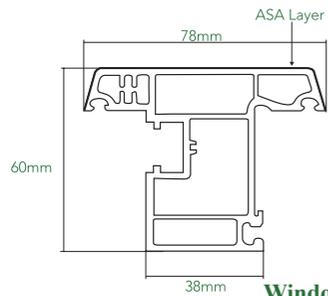
Cross Section of Sliding Profile



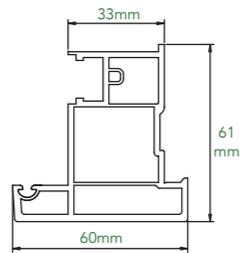
CASEMENT PROFILE



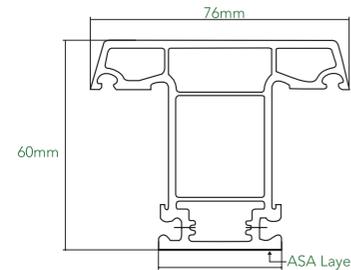
Louver Profile



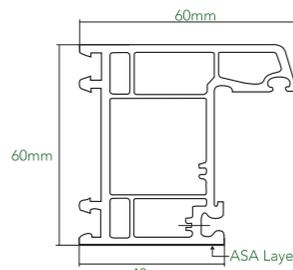
Window outward sash



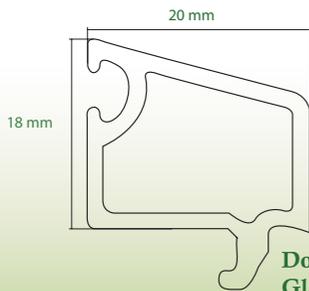
French Mullion



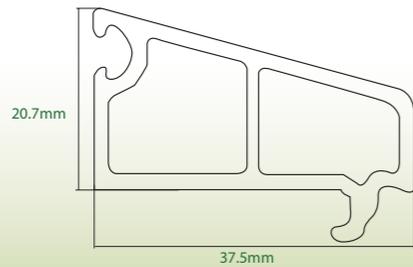
Mullion



Window frame

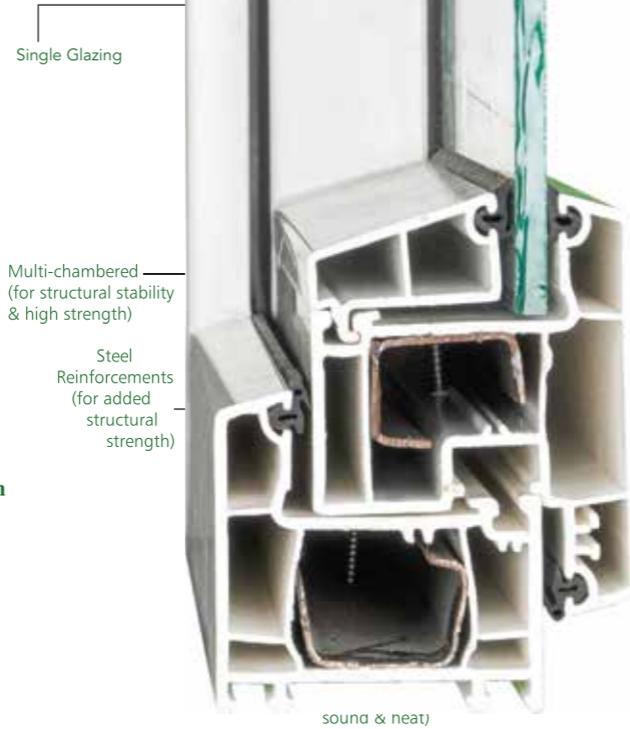


Double Glass Bead



Single Glass Bead

Cross- Section of Single Glazed Casement window



FEATURES AND BENEFITS

Power & Energy Efficient

Due to its low thermal conductivity, uPVC Windows and Doors can help you save nearly 30% in energy costs for an air-conditioned building*. Available in either double or single glass options, Anton uPVC Windows and Doors raise the bar even further with innovative insulation-enhancing features such as:

- ! **Advanced engineering-** Anton uPVC Windows and Doors utilize fusion-welded joints, multi-chambered profiles and multiple lock points to maximize insulation.
- ! **Premium glass quality-** Anton uPVC Windows and Doors are made from double glass that is either tinted or coated with a reflective surface, thereby preventing heat loss and reducing heat from solar radiation.
- ! **Superior silicon seal-** By using the best silicon sealant between your wall and the frame, we ensure that all gaps are properly sealed, thereby preventing any heat gain or loss.

Material	Timber	Aluminium	uPVC
U-value (Watt/m ² °C)	2.66	4.92	2.60

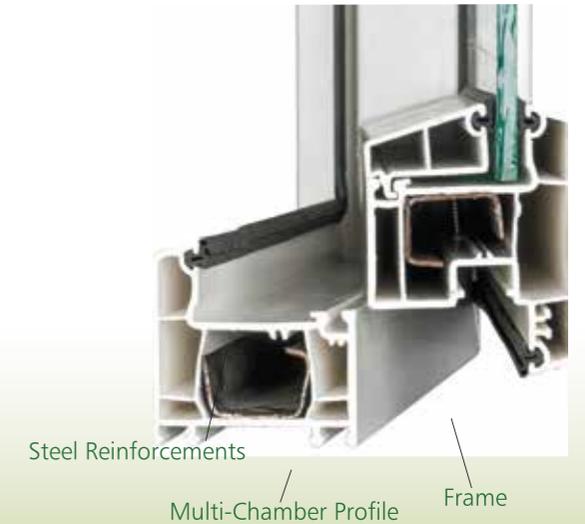
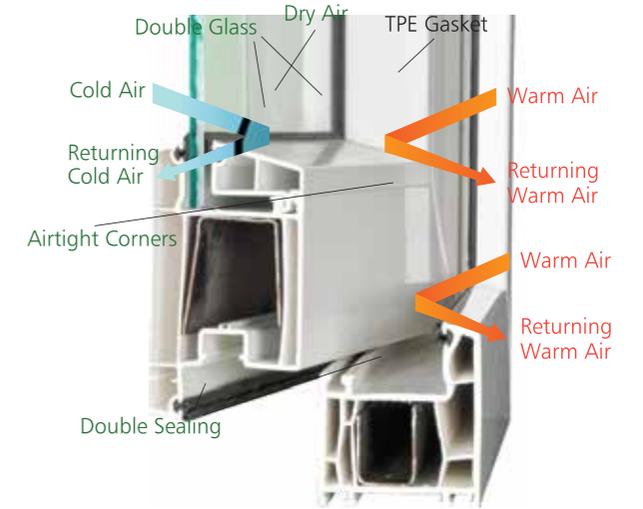
* According to a study done by Prof. NK Bansal, Centre of Energy Studies, IIT Delhi

Durability:

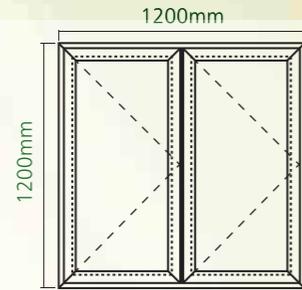
Anton uPVC Windows and Doors are exceptionally durable, with a typical lifespan of more than 35 years, with minimum maintenance. Indeed, every Anton uPVC Window and Door comes with a 10year warranty, proof of our commitment to quality. Furthermore, our Anton uPVC Windows and Doors have airtight corners, welded with steel reinforcements, to prevent them from warping.

Corrosion and Termite resistance:

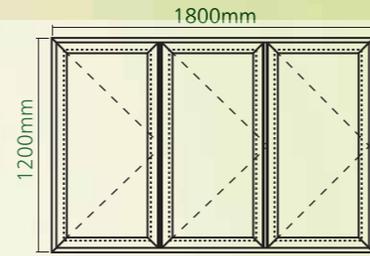
Due to its non-corrosive qualities, Anton uPVC Windows and Doors will not be affected by salt in the air or water. They are also termite-proof, meaning you will never have to worry about pests destroying your Windows and Doors.



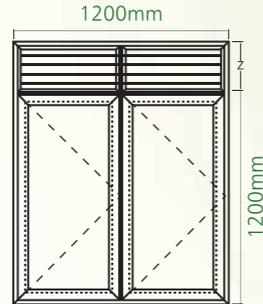
CASEMENT WINDOW & DOOR



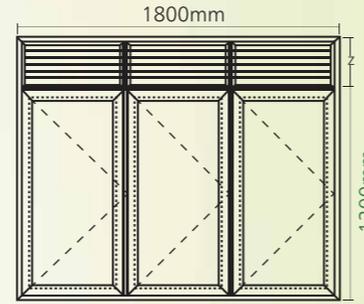
Design - A
Double outward opening window



Design - B
Triple outward opening window



Design - C
Double outward opening window with louver



Design - D
Triple outward opening window with louver



Design - E
French Door



Sliding Door with Four Sashes



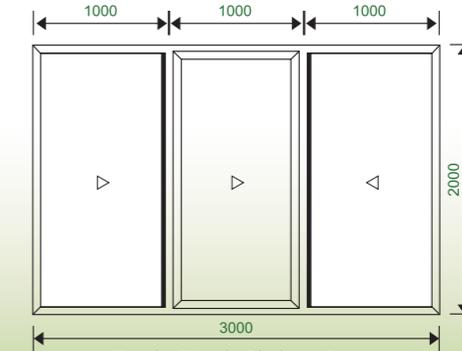
Sliding Door with Top Hung



Sliding Door with Two Sashes

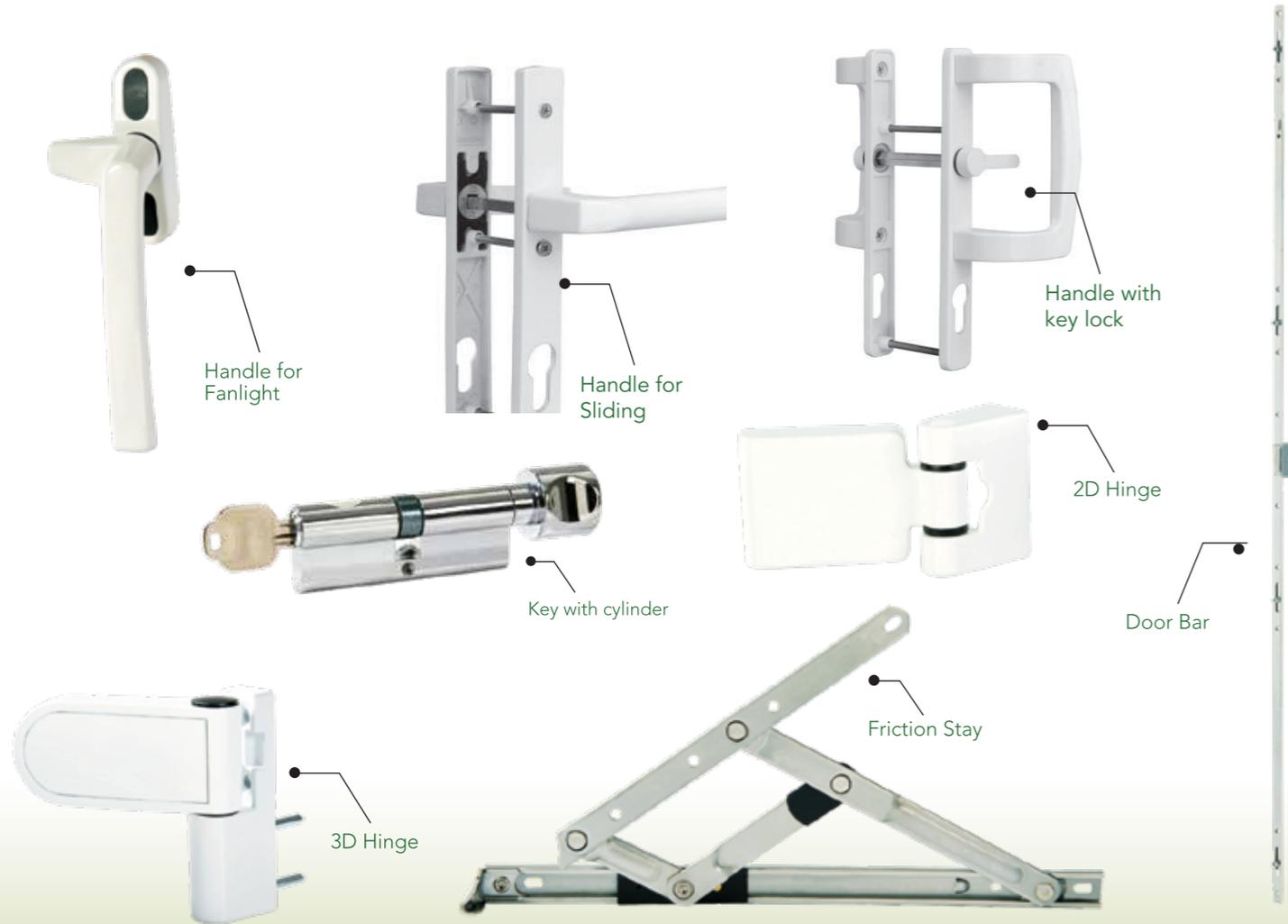


Sliding Door with Louver

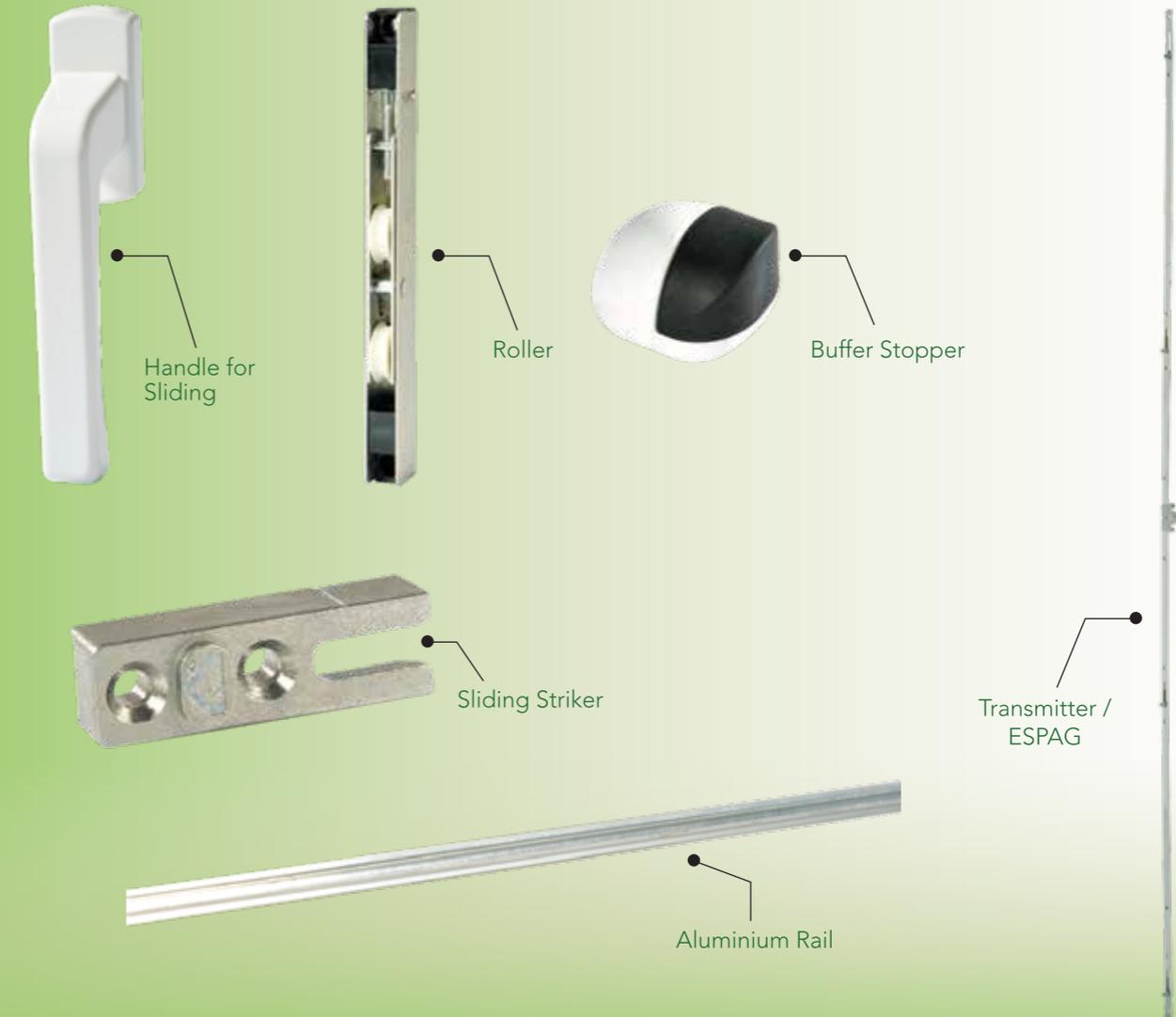


Triple Track Sliding Door

HARDWARE FOR SLIDING DOOR & WINDOW



HARDWARE FOR SLIDING DOOR & WINDOW



HIGH-PERFORMANCE GLASS

Ecosense from AIS

Ecosense strikes the perfect balance between outdoors and indoors, funtion and fitness. Little wonder that it is the natural choice for all environment-friendly architecture.



AIS Sunshield

AIS Sunshield is a high-performance product that combines durability with advanced heat-reflective technology. Spanning a wide range of applications, AIS Sunshield offers you a host of unmatched benefits that will help you do more with glass.

AIS Acousticglas Sound-resistant Glass

A laminated glass with a specialised plastic interlayer hat dampense Ecternal.

HIGH-PERFORMANCE GLASS

AIS Securityplus

With an interlayer of Dupont Sentry Glass TM, AIS Securityplus is up to 5 times stronger than conventional laminating materials. This interlayer increases tolerance to greater loads, while enabling aesthetic, complex designs with minial structural support.



AIS Swytchglas

Made using Polymer Dispersed Liquid Crystal (PDLC) film, AIS Swytchglas is an intelligent glass that switcess from transparent to translucent and voice versa with the press of button.

