

Give your home a Makeover



SIMTA  **Astrix**

Built with Science, Built for Future



ESTABLISHMENT

1991

TURNOVER

300 CRORE

PRODUCTION CAPACITY

15000 TONS/ANNUM

The Story Behind SIMTA Astrix

SIMTA Group was established in 1991 to manufacture textile machinery and accessories. Initially, we started manufacturing Spindle tapes and further, with a technical collaboration with C-Port JACOBI, Germany, we started manufacturing Overhead travelling cleaners and the Bobbin Transport system.

By acquiring the best manufacturing practices, we have gained good business experience in the past 25 years. SIMTA looks forward to the future and is interested in helping the subsequent generation by concentrating on Energy Efficiency and Preserving Nature.

SIMTA diversified into manufacturing eco-friendly Window and Door profile systems, laying the foundation in 2013. We aimed to produce a sustainable range of window and door profile systems, a greener alternative to wood and aluminium.

With superior Quality & On-time delivery with excellent customer support, SIMTA has become a global leader in producing uPVC Door and window profile systems with a capacity of 15000 TPA.



SIMTA MANUFACTURING COMPANY

SIMTA CLEAR COATS PVT. LTD.

CYBER TEXTILES PVT. LTD.

SIMTA MACHINERIES PVT. LTD.

SIRA ENGINEERING PVT. LTD.

**OUR GROUP
OF COMPANIES**

INDO-GERMAN COLLABORATION



Simta Astrix products is a perfect amalgamation of intelligence and German excellence. We make our products with German engineering advancements for sustainable and durable windows, doors and profiles.



Why uPVC

Tropical Mix Dry Blend
uPVC Compound



Now the future demand greener and more sustainable choices!

With UPVC, you are choosing sustainability and an intelligent, futuristic approach. UPVC is more cost-efficient and gives excellent thermal insulation to make it more energy-efficient than wood or aluminum. In addition, unlike other materials, it retains its shape in all weather conditions. As a result, it serves as a perfect choice for your windows, doors, and frames with remarkable durability and excellent eco-balance.



ACOUSTIC PROOF



WEATHER RESISTANCE



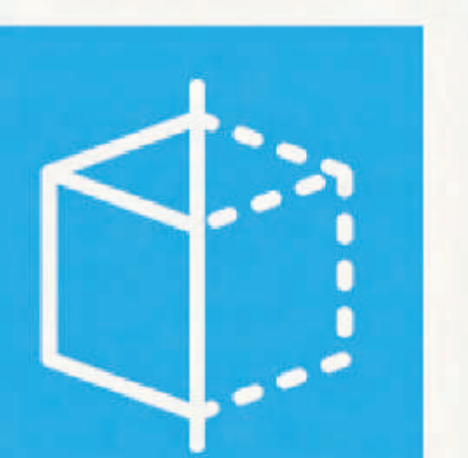
IMPACT RESISTANCE



DURABILITY



THERMAL STABILITY



DIMENSIONAL STABILITY



MAINTENANCE FREE

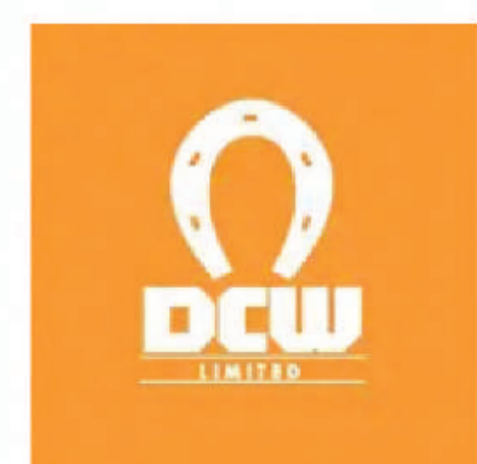


PVC RESIN

Ethylene Based



PVC RESIN USED FOR UPVC FORMULATION



FILLER

CaCo3
CALCIUM
CARBONATE

A filler chemical provides better bonding of all polymers

At Simta, we use the right proposition with superior quality gradest. Selection of cacO3 by its particle size.

We are sieving the materials in D 95 scale results in < 4-micron particle size Majorly sourced from imports, to maintain colour consistency & particle size.



SPECIAL
ENCAPSULATION
SILICATE COATED

(R105Grade)-Chemours (formerly known as DUPONT)
(2220Grade)-KRONOS

Our uPVC Window and Door profile system are manufactured with rutile based Titanium Di Oxide, and it is encapsulated with Silica, Alumina and Zirconium, which acts as a sunscreen for the surface, preventing it from harsh weather conditions, chalking, crazing and other surface deterioration. In addition, it acts as a pigmenting agent that helps in brightness of profile and also provides gloss retention for durable and ever shining of doors and windows.

TITANIUM DIOXIDE

TiO₂





Infrastructure

SimtaAstrix has a state-of-the-art manufacturing unit with imported high-tech and fully automated machinery from Germany and Turkey, which help us achieve a production capacity of 15000 tons/annum. Furthermore, with our in-house R&D team, we select the highest quality raw materials to make products that are sustainable, eco-friendly, without any compromise in the quality, style or performance.



BLENDING



How are we blending the compound?

A fully automated weighing and the batching system is adopted.

Controls: PLC based weighing system

The computer weighs the chemical and sends it to the blender. We have state of the art advanced automated mechanisms to formulate these blends.

This ensures a consistent balanced uPVC Compound to maintain quality at all times.

OUR HIGH END MANUFACTURING PROCESS



PVC and all ingredients are separately weighed through CNC controlled load cells and fed into the blending Mixer by pressure conveyors and the Mixed compound is stored in the silos.

The mixed compound is conveyed to the extruders through vacuum conveyors.

Since the entire system is closed-loop and controlled by a PLC system, compounding is error-free. Also, it helps to maintain the environment (by avoiding the spillage of powder materials).



SKZ
Germany



SGS
Material Testing Centre



CIPET सि पेट
probe · perform · practice · Plastics

CIPET
Central Institute of
Petrochemicals Engineering
& Technology.



TUV india
TUV NORD Group

VALIDATION THROUGH TEST

MANUFACTURING STANDARDS

EN12608



- 1 CHARPY IMPACT TEST
- 2 VICAT SOFTENING POINT
- 3 FALLING MASS TEST
- 4 HEAT REVERSION
- 5 HEAT AGING
- 6 SURFACE STRAIGHTNESS TEST
- 7 COLOR CONSISTENCY TEST
- 8 GLOSSINESS TEST
- 9 ASH CONTENT TEST
- 10 WELDING STRENGTH TEST





SLIDING

Sliding windows are a stylish choice for your home, comprising two or more horizontal sashes or screw points fitted with rollers for smooth movement. There are the following methods to open sliding windows: Two-track slider, slider with mosquito mesh, three-track slider and mono-reel slider to fit your unique requirements.



CASEMENT

Casement Windows are highly energy-efficient and available in casement out-open, inside-open and parallel-open. In addition, the windows provide a contemporary design with durability, maintain their shape in extreme weather conditions and block all the external noise. So, make your choice for a noise-free life!



TILT AND TURN

Tilt windows have a sash that can tilt and opens up at a particular angle from the top with the hinges - the sash swing. The sash swings in the inside direction and tilts, giving an aesthetically appealing view of your home. Add a contemporary touch to your homes!



SLIDE AND FOLD

An exceptional choice for your home to stand out. They are indeed a way of opening up your home in a unique way without comprising space.

VENTILATOR



- Fixed Louvers
- Adjustable Louvers
- Louvers with Exhaust



Product Range



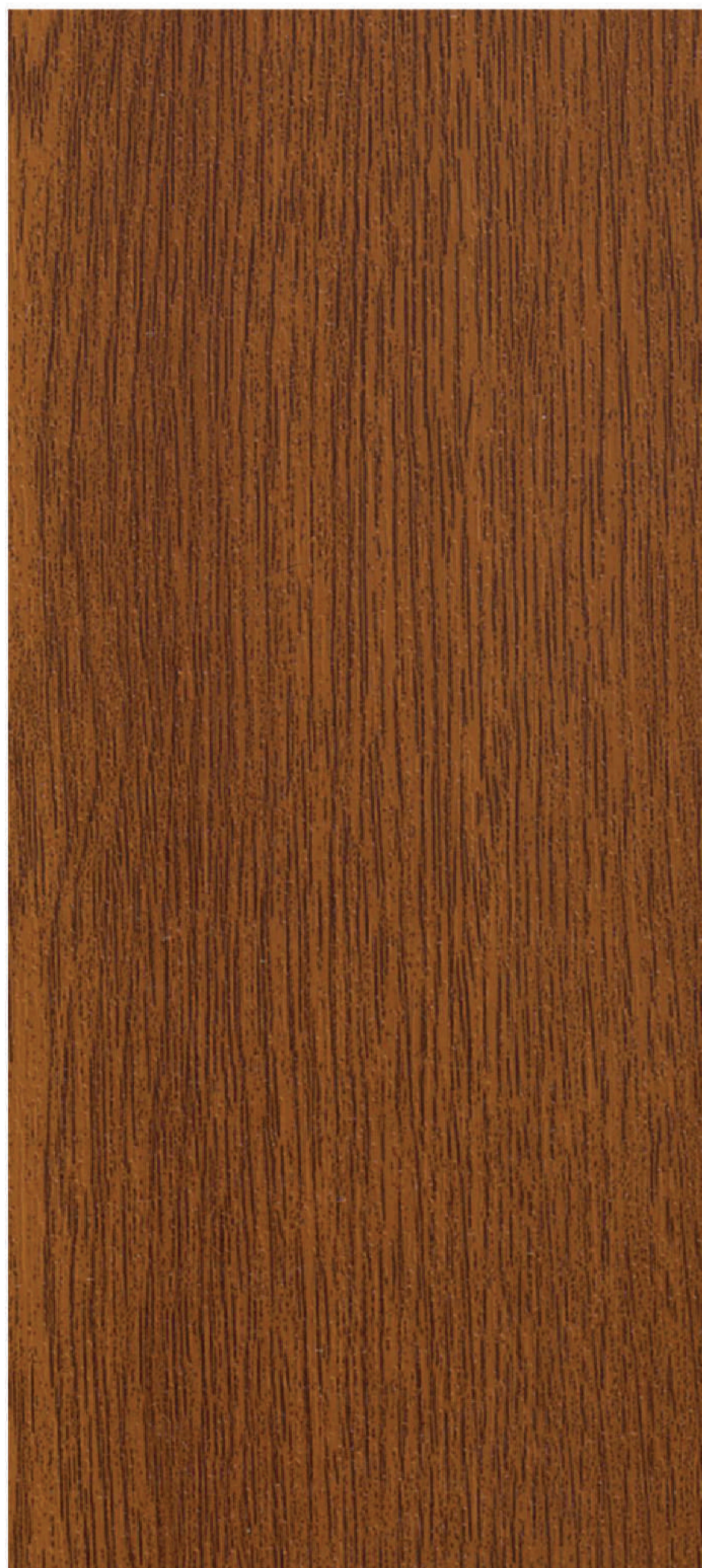
LAMINATED WOOD FINISH PROFILES

KLEIBERIT®
ADHESIVES • COATINGS

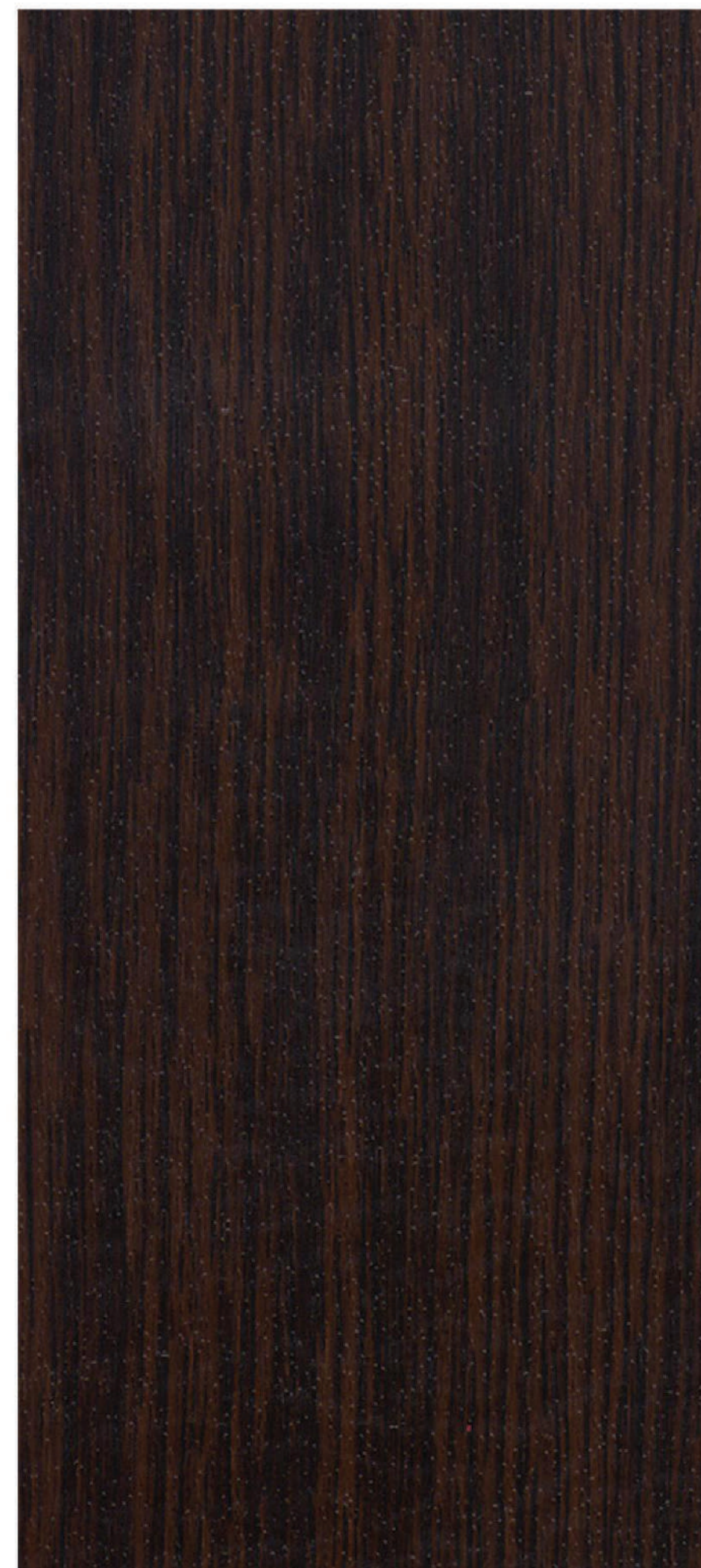
Henkel

RENOLIT

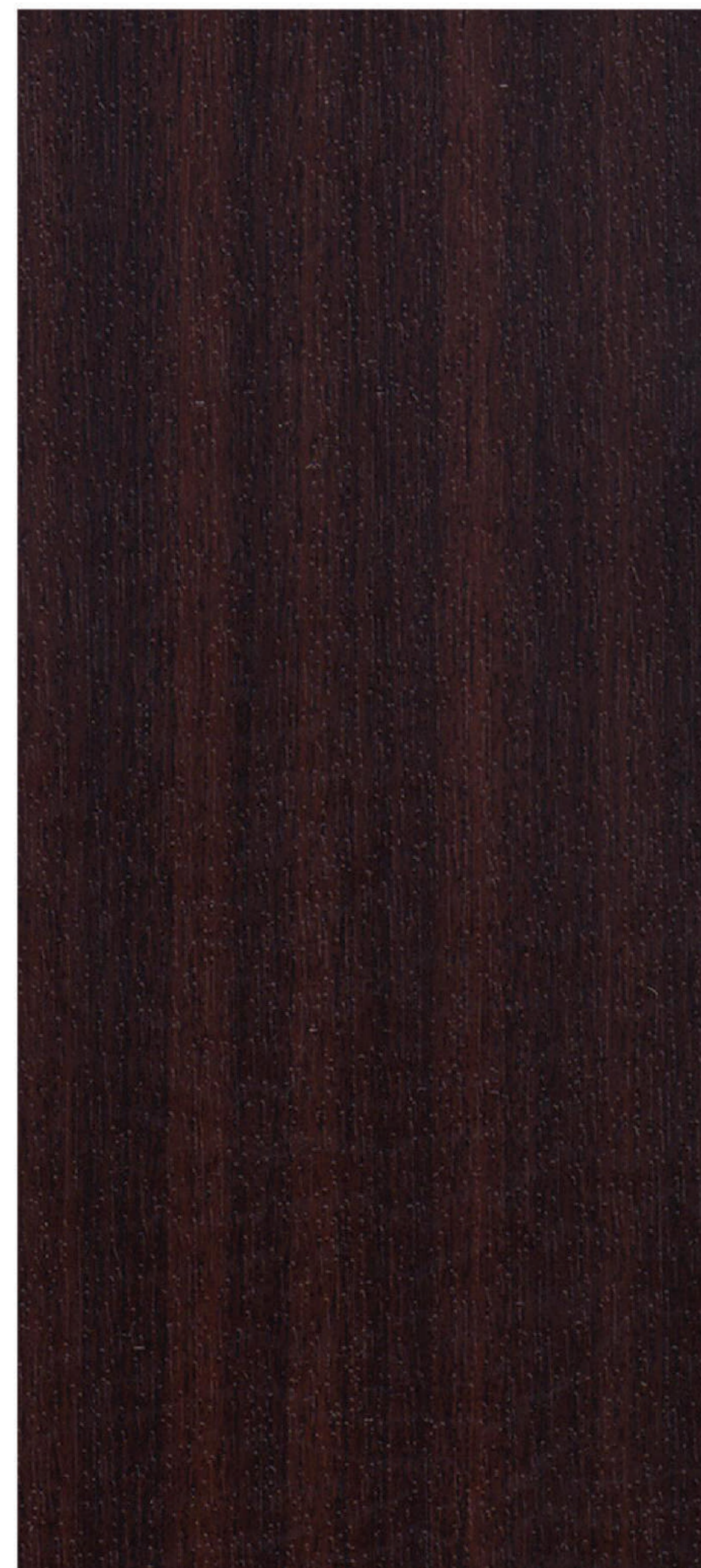
GOLDEN OAK



DARK OAK



MAHOGANY



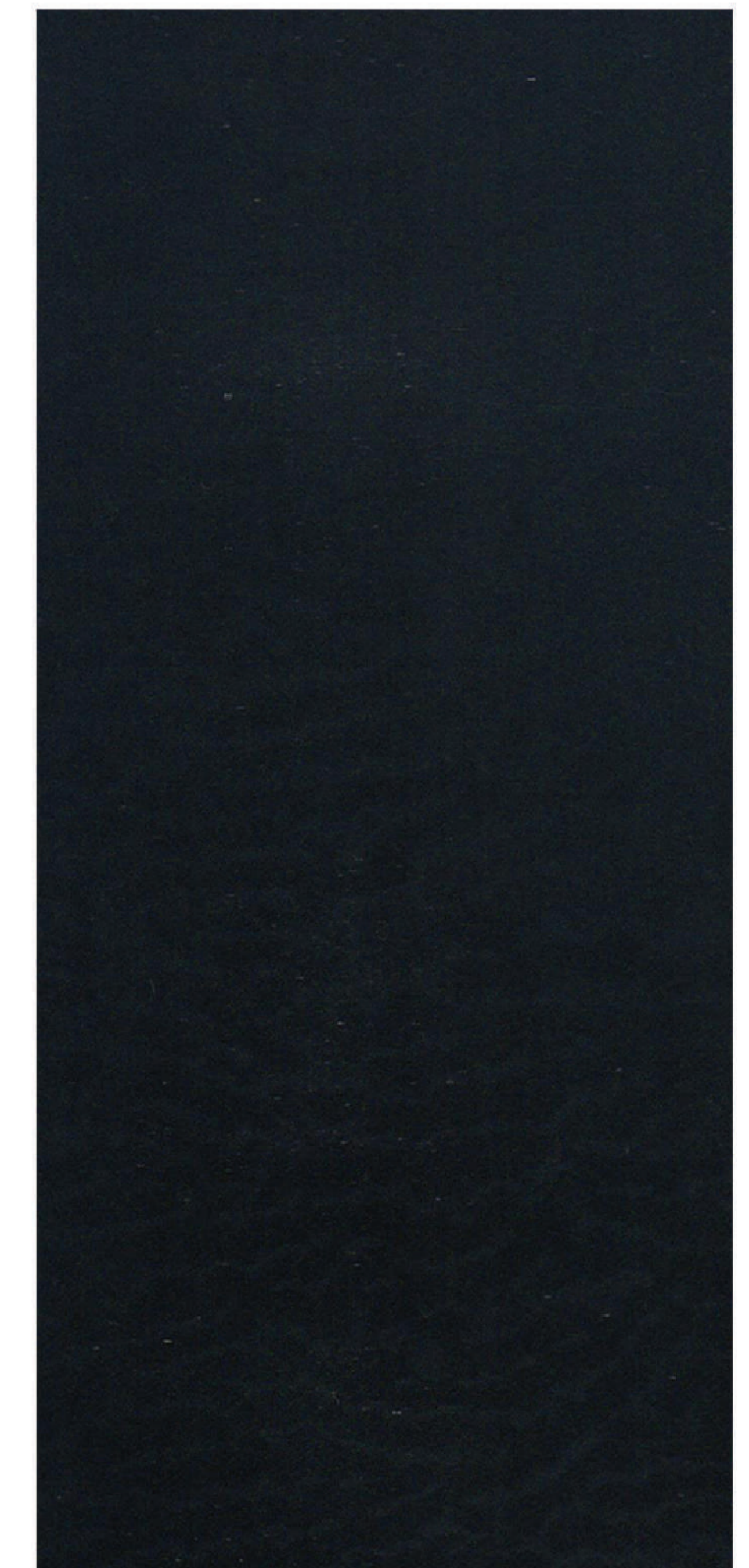
WALNUT



GREY



BLACK



PROTECTION FROM SOUND



Customised and easy glazing to achieve desired results in soundproofing technology and insulating your interior.

Simta Astrix framing systems is a perfect solution to overcome sound transmission. The double side compressed gasket system provides the excellent tightness in the framing and glazing areas.

ULTIMATE PROTECTION

Protect your Home from Strangers (Burglars)

Simta Astrix provides you the peace of mind even when you are away from your home

The engineered Euro Grooves provided in the profiles, can be installed with secured hardware to avoid tampering.

The glazing beads options are designed for internal glazing models. The tightness of glazing beads will not allow for easy removal.



EXCELLENT WIND LOAD PERFORMANCE

Simta Astrix windows and doors are designed to withstand even the most extreme wind conditions.

Suitable for coastal areas and high rise buildings

Tested for 3000 Pa and can perform more

Bigger Steel chambers for higher wind stability

Multiple size options for various combinations to achieve desired results



SOUND INSULATION TABLE

Location & Noise Pollution Level	Recommended Max Noise Level	Recommended Soundproofing level of window	Noise Protection Class
Residential Area About 60dB	Sleeping 25 – 30 dB	30 dB	2
	Housing 30 – 35 dB	27 dB	1
	Working 35 – 50 dB	14 dB	0
Town Centre About 70 dB	Sleeping 25 – 30 dB	43 dB	4
	Housing 30 – 35 dB	37 dB	3
	Working 35 – 50 dB	35 dB	1
Industrial About 75 dB	Sleeping 25 – 30 dB	47 dB	5
	Housing 30 – 35 dB	43 dB	4
	Working 35 – 50 dB	30 dB	2

A dB decibel is a logarithmic unit of measurement that expresses the magnitude of physical quantity (usually power or intensity) relative to a specified or implied reference level.

No.	Parameters		Advantages to our Customer
1	Profile Wall Thickness	2.3 to 2.5mm	Stronger profiles, Better geometry& shape.
2	Gradient Drainage	Yes	Easy& Smooth drain out No water accumulating in the profile.
3	Wind Load	3000 Pa	Suitable for both taller and wider apertures. Structurally sound.
4	Profile Shape	Multi Chambered	Large Multi Chambers, including sliders, allows perfect thermal and acoustic insulation. In time needed it can accommodate larger reinforcement to resist higher wind loads.
5	Colour Options	Yes	Choice of variety of options.
6	International Standard & Compliant	Yes	Present in more than three countries. Standards in compliance with EN12608
7	Suitable for Tropical Climate Condition	Yes	Rich dosage of TiO2 successfully performing installations in severe/harsh climatic conditions.
8	Hardware	Best in Class	Superior Quality. Fits inside Euro Groove. Safety Ensured.
9	Reinforcement Thickness	1.2 - 2.5mm	Providing strength with No Rattling and No whistling.
10	Maintenance	Low	Easy to clean. Against termites and other corrosion.
11	Coloured Windows	Foil Laminate with Renollt FX. Grade,PVR Hotmelt Technology.	20 years warranty and tested for lamination by International Institute.
12	Delivery Schedule	Local Support	Faster Delivery. Window & Door production planned with software optimization.
13	Service Reliability	International	Quick attendance to any service issues. Dedicated customer support team.
14	Technical Support	Yes	Bringing World-class experience to India.
15	Easy clean hinge mechanism	Friction stay mechanism	Effortless Maintenance of casement windows.
16	Max Glass Thickness	Single - 4mm to 12mm Double - upto 24mm Stronger	Noise resistance upto 25 to 40db. (70% to 55% noise reduction possible WW1 Double glazing with proper selection of glass).



PROFILE QUALITY

Chemical composition plays a crucial role in superior quality and helps prevent discolouration and degradation of the surface.

STEEL REINFORCEMENT

The steel used is the backbone of the windows or door. Galvanised steel is used for better durability, and the bigger the steel chamber is, the stability increases.

HARDWARE

Hardware is the support system for your windows and doors. Suitable and tested hardware make the window a complete working system and ensure durability.

GLASS

Glass plays a vital role in the safety, visibility and energy efficiency of the windows and doors. Choose the right glass for your windows and doors to have a safe and stylish home.

RELIABLE SUPPLY

A reliable supplier caters to all your needs in the desired time. Any product is based on the craftsmanship, and the quality pertained. Always have a double-check upon the quality and payments for a smoother experience.

INSTALLATION

Your last step should be the best! Always have your installation done by a professional to prevent any warpage, water leak, and loss in energy or other malfunctions.



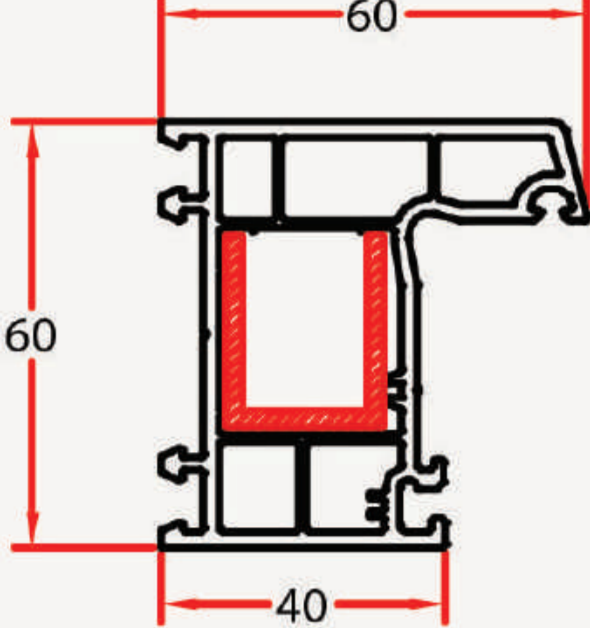
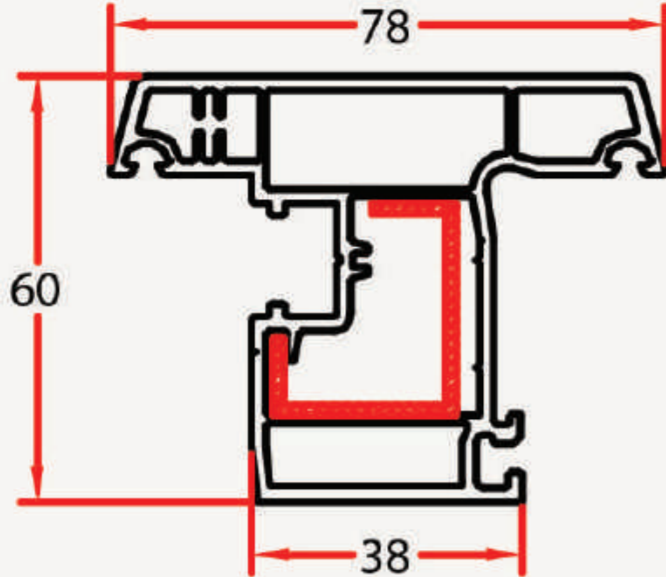
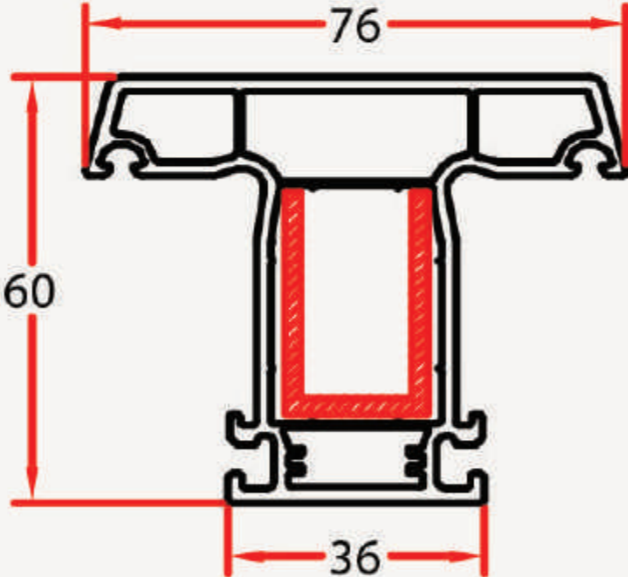
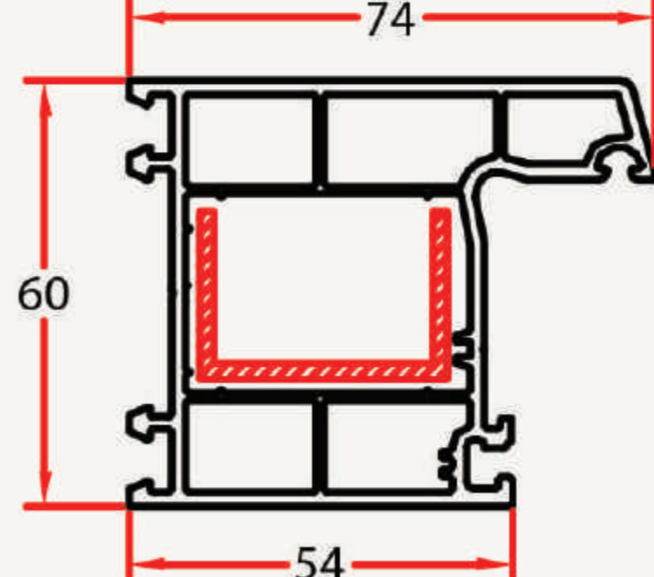
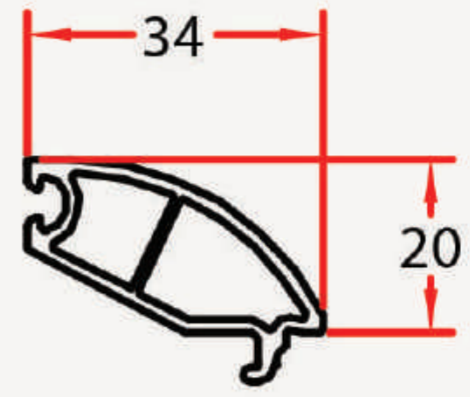
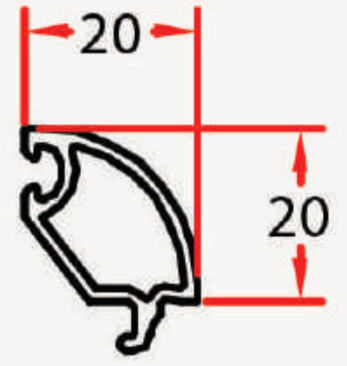
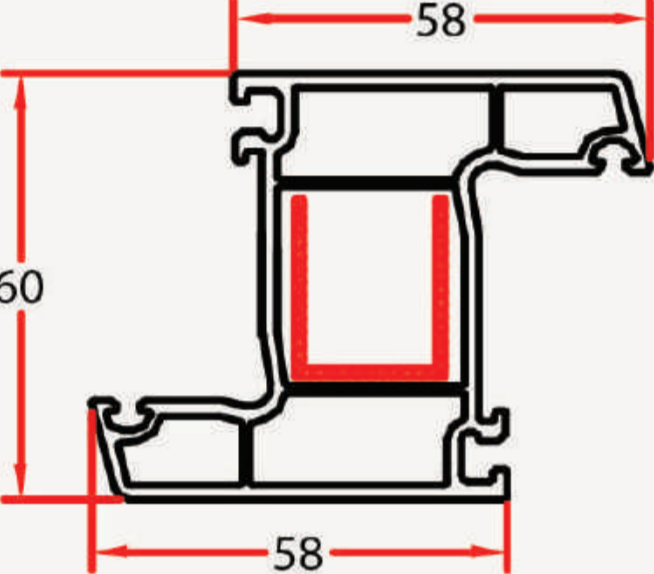
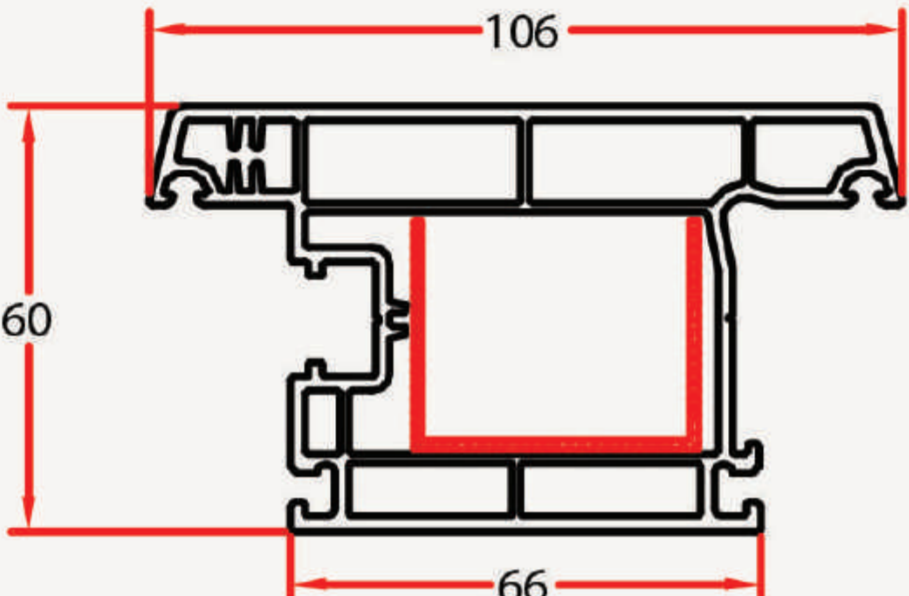
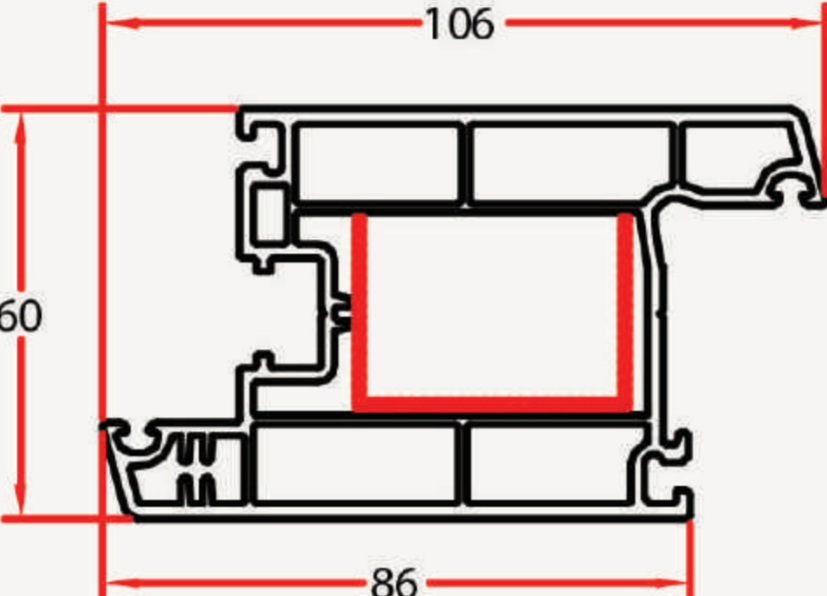
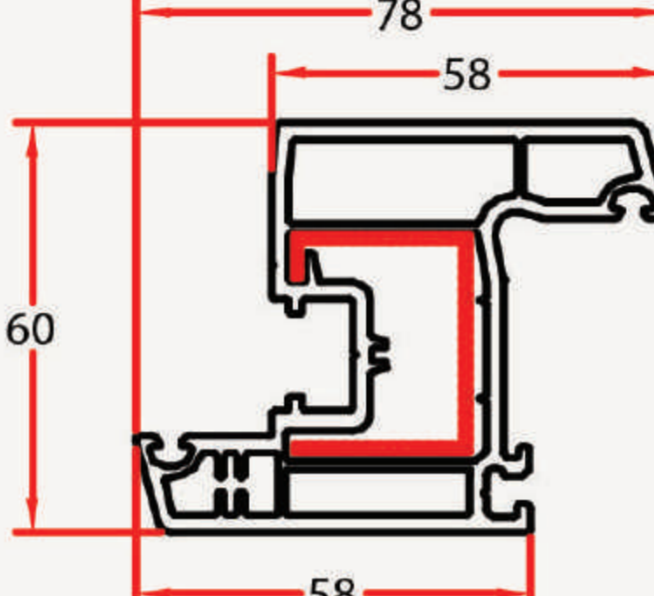
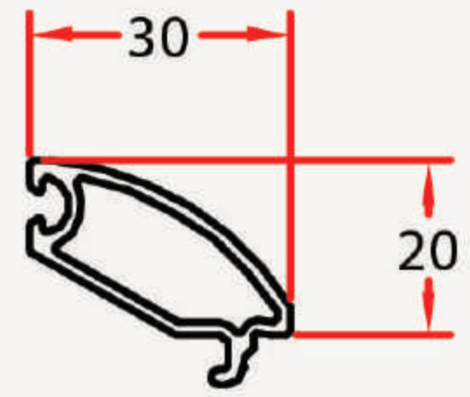
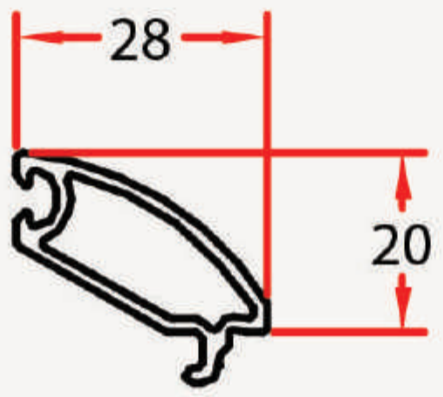
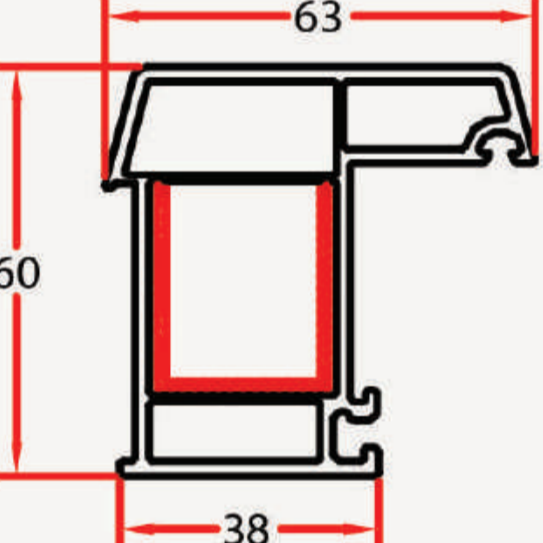
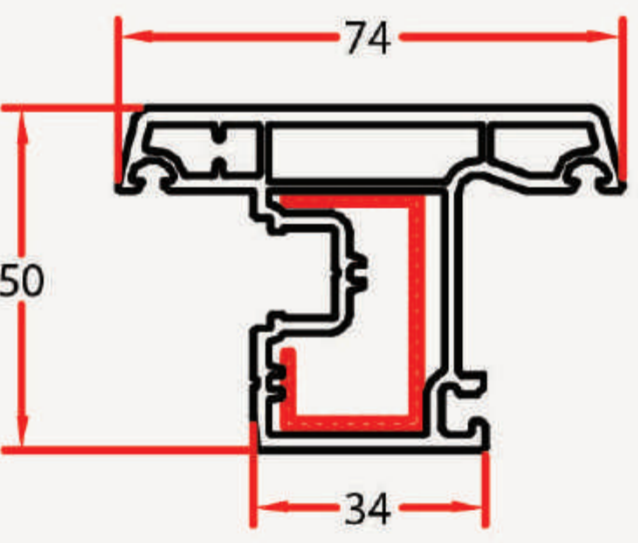
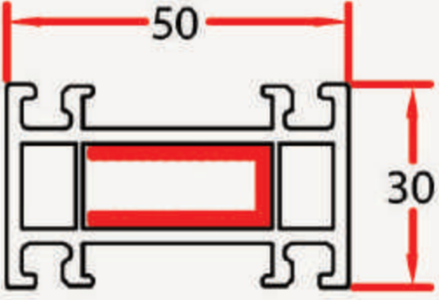
Designer Doors

We know the importance of a home and understand the factors which make it a one! Bring elegance home with a range of SIMTA Astrix unique designer doors. Our doors are made with the highest quality raw materials for assured durability and stability. The doors are available in various styles to suit your unique home requirements. The doors being versatile, can be used for multiple applications like bedroom doors, bathroom doors and kitchen doors. We always aim at customers satisfaction with our high-quality and unique products.

With the best prices, we make sure to deliver you the best craftsmanship for beautiful homes. Made for your home to match your aesthetics!



SIMTA ASTRIX SERIES (CASEMENT)

 <p>CWL01 Casement Frame 60</p>	 <p>CWL02 Casement Sash</p>	 <p>CWL03 Casement Mullion</p>	 <p>CWL26 Casement Frame 74</p>	 <p>CWL17 Casement Single Bead</p>	 <p>CWL18 Casement Double Bead</p>
 <p>CWL27 Casement Z Mullion</p>	 <p>CWL29 Casement Door Sash Outward 106</p>	 <p>CWL30 Casement Door sash inward 106</p>	 <p>CWL31 Window sash inward</p>	 <p>CWL19 Casement Mid Bead</p>	 <p>CWL53 Casement Single Bead 50</p>
 <p>CWL37 False Mullion</p>	 <p>CWL49 Casement Sash 50</p>	 <p>CWL55 Ventilator Frame</p>	<p>CASEMENT GLASS BEAD</p>		

CODE TERMINOLOGY

Profile Type

Casement series	---	C
Sliding series	---	S
Accessories	---	A
Door	---	D

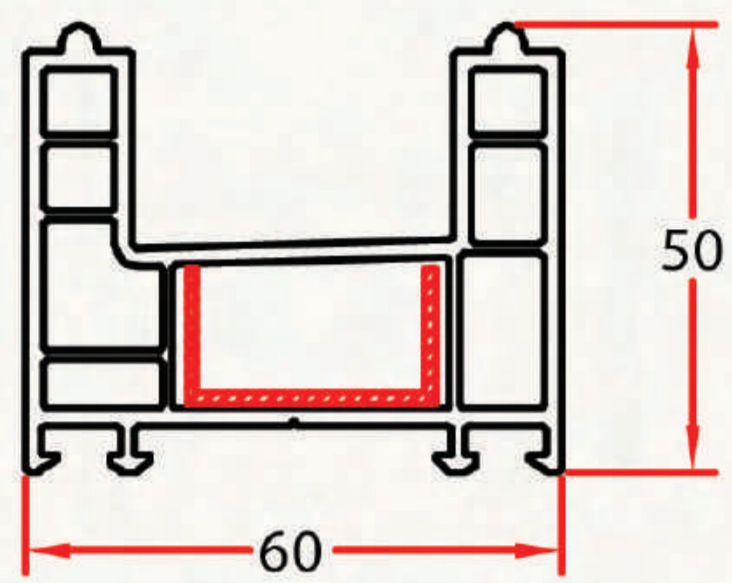
Color Code

White	---	WL	Mahagony	---	MG
Wall nut	---	WN	Dark Oak	---	DO
Golden Oak	---	GO	RoHS	---	WR
Plain color	---	CL			

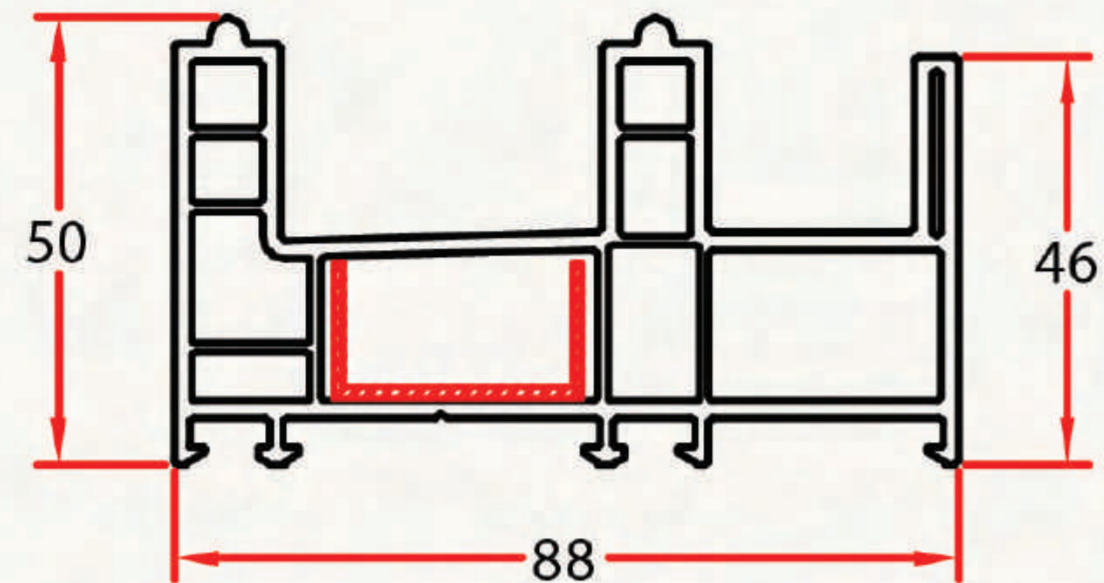
CWL - 01



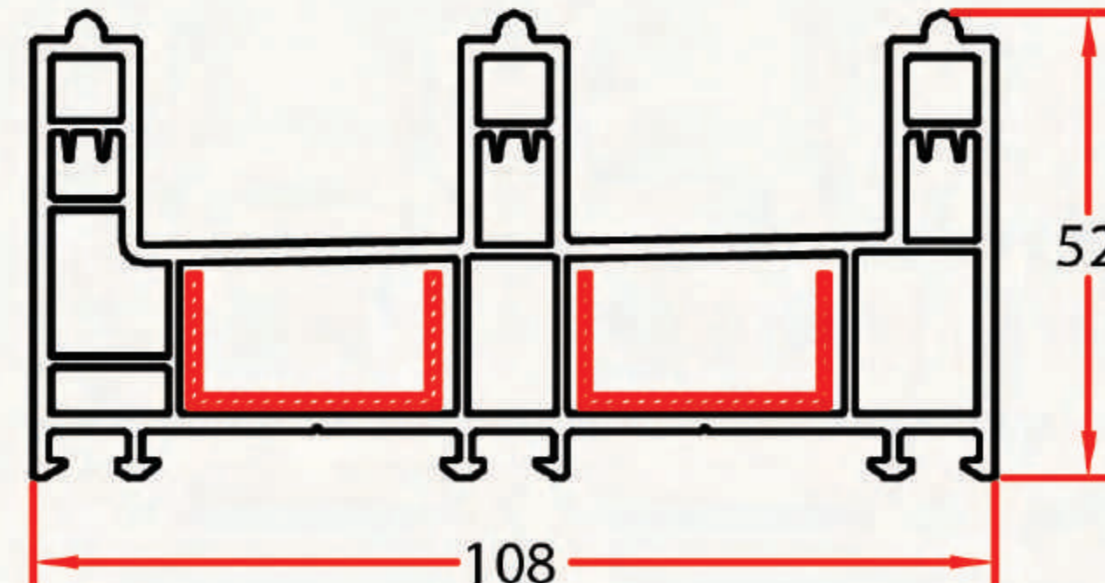
SIMTA ASTRIX SERIES (SLIDING)



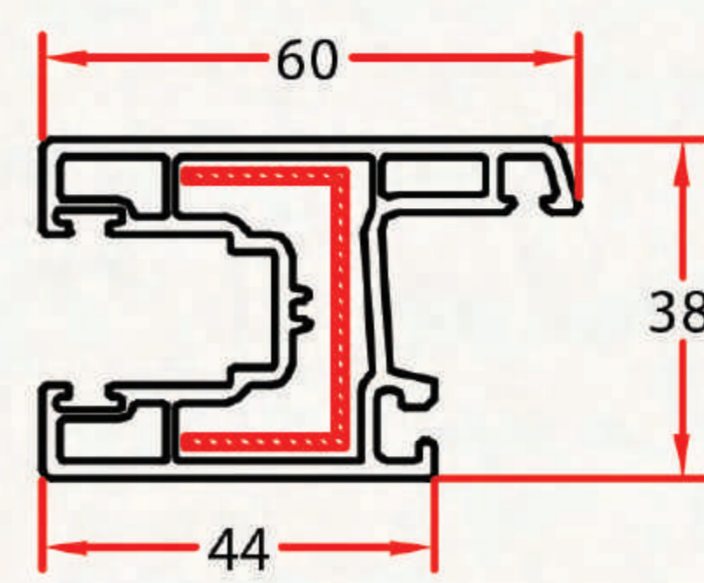
SWL04
Sliding Frame 2 track



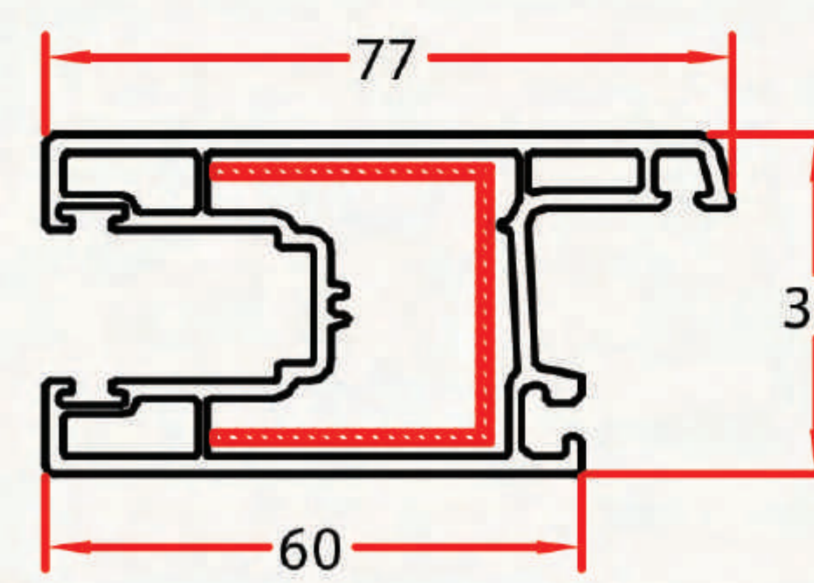
SWL05
Sliding frame 2.5 track



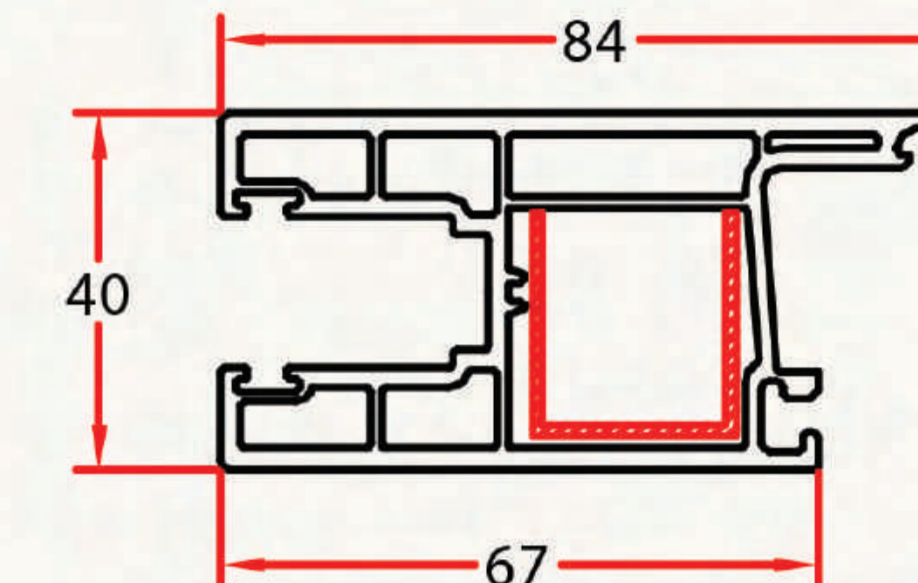
SWL06
Sliding Frame 3 track



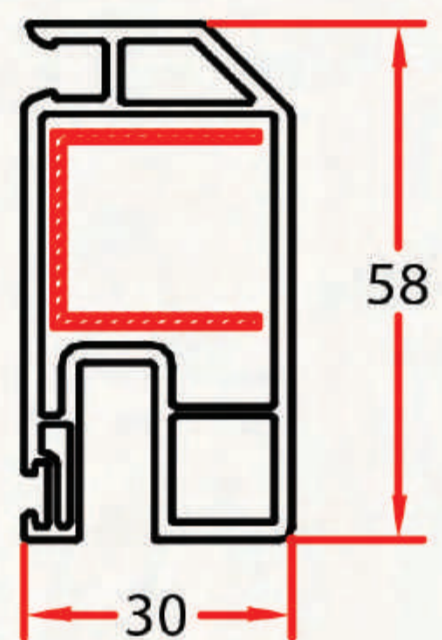
SWL07
Sliding Sash 60



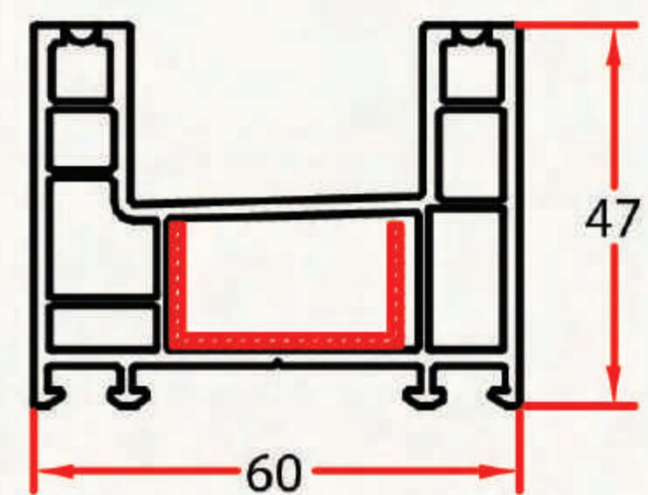
SWL08
Sliding sash 77



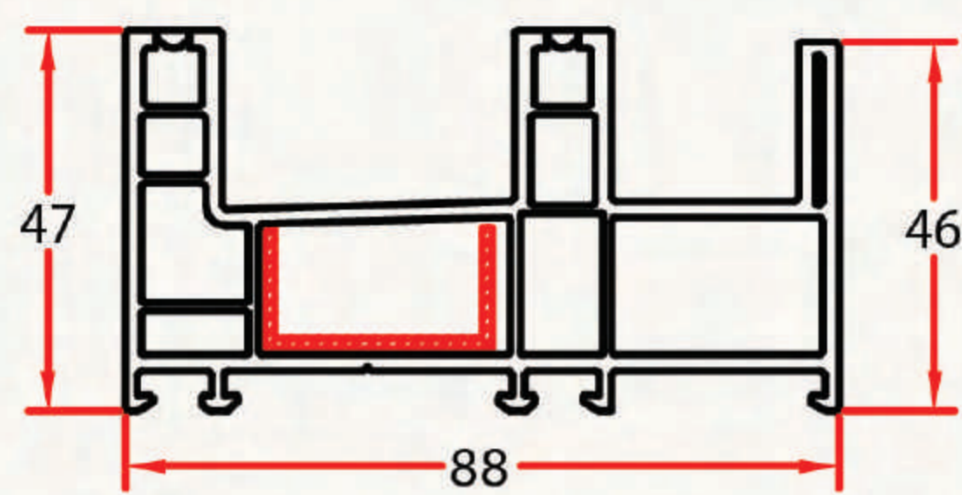
SWL09
Sliding sash 84



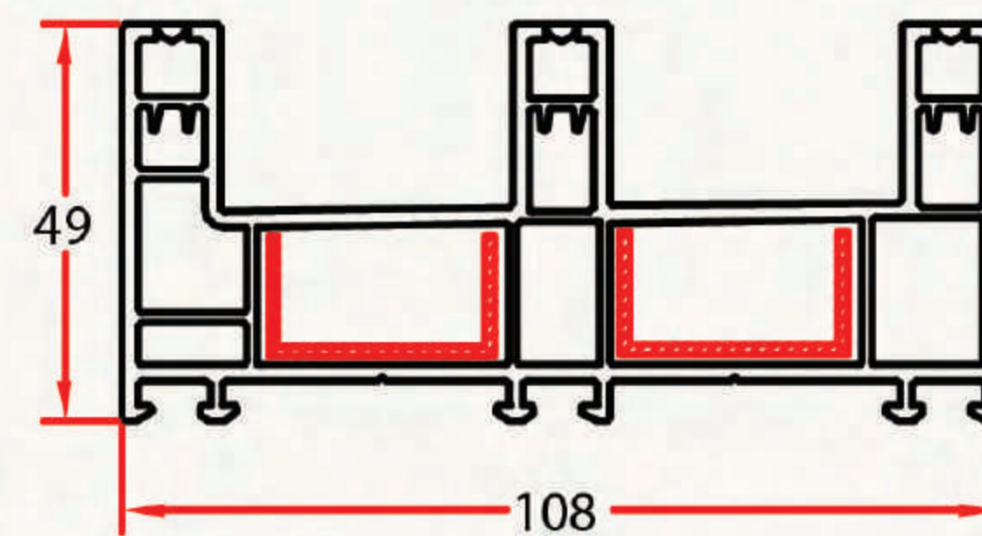
SWL10
Mosquito sash



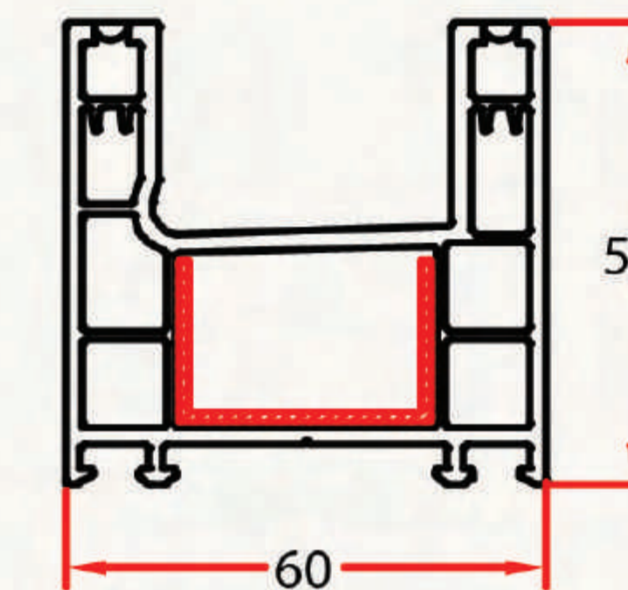
SWL11
Sliding Frame
2 track(WOT)



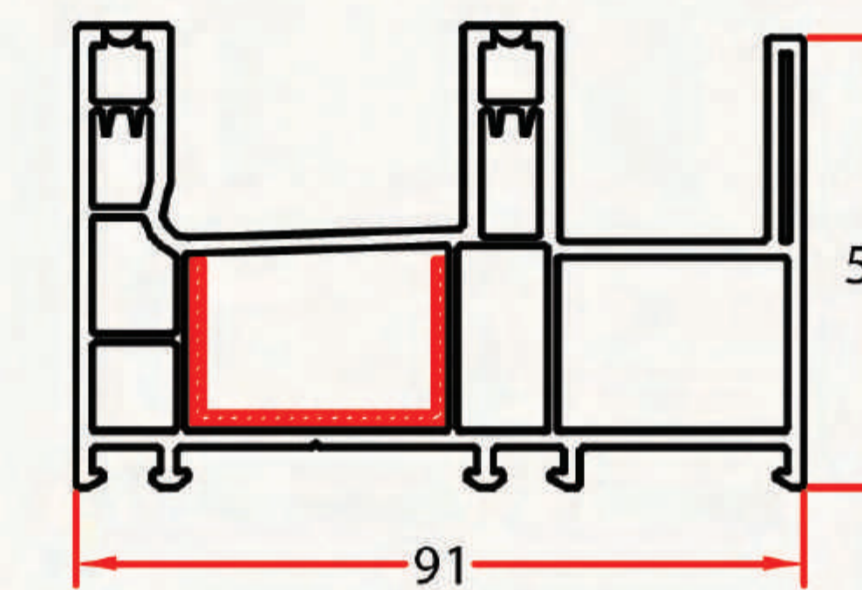
SWL12
Sliding frame
2.5 track (WOT)



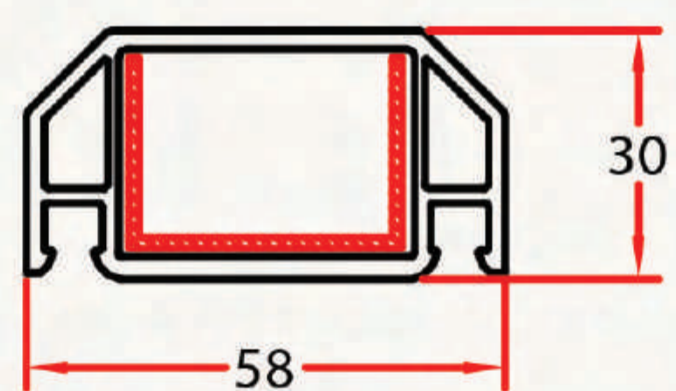
SWL13
Sliding Frame
3 track (WOT)



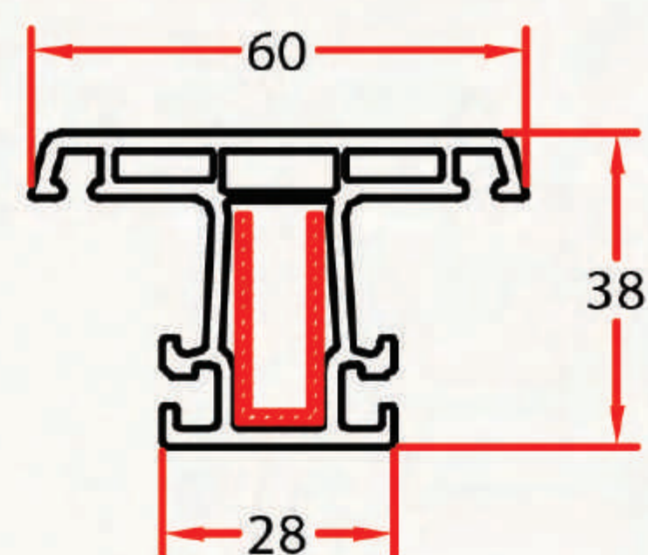
SWL14
Sliding frame
2 track 57 (WOT)



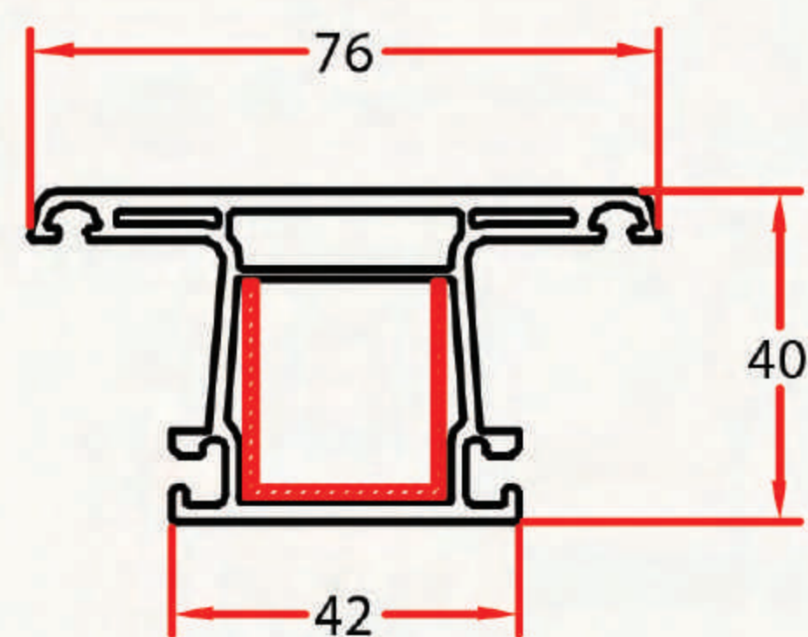
SWL15
Sliding frame
2.5 track 57 (WOT)



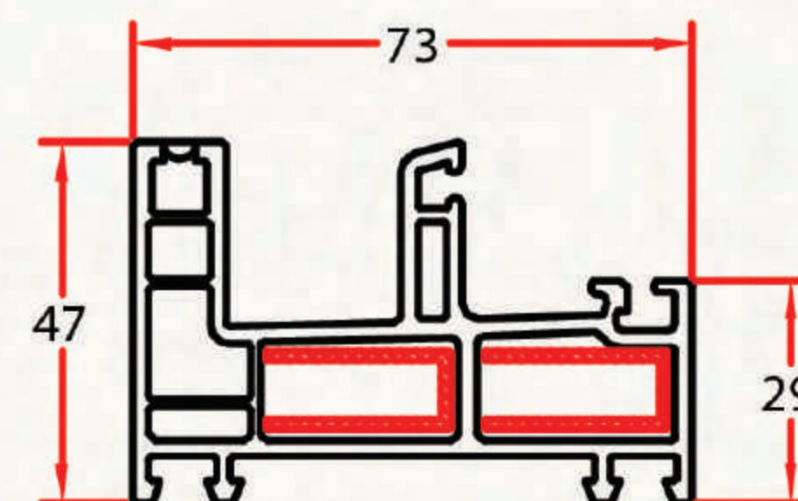
SWL33
Mosquito sash mullion



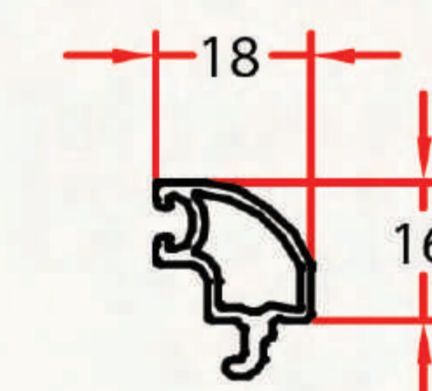
SWL34
Sliding sash Mullion 38



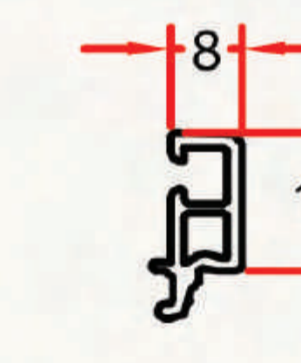
SWL35
Sliding sash mullion 40



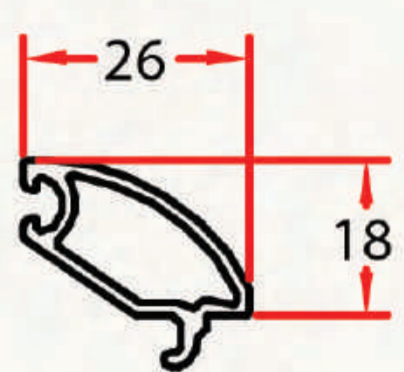
SWL56
Monorail



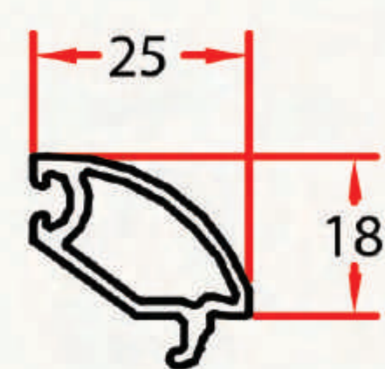
SWL20
Sliding single bead



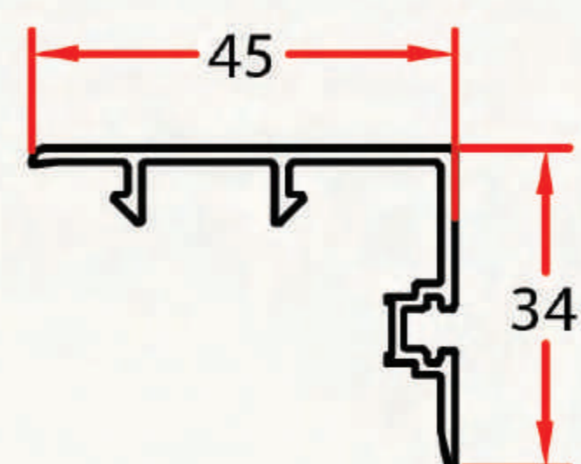
SWL21
Sliding double bead



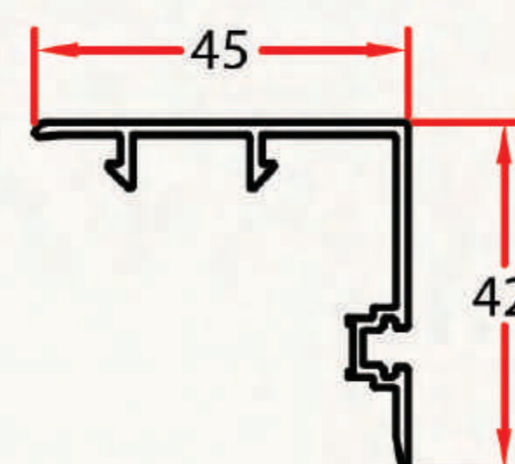
SWL22
Sliding Mosquito bead



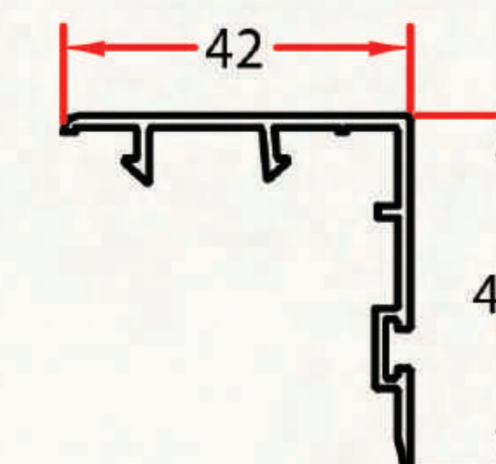
SWL54
Sliding Single bead 84



SWL23
Interlock 34



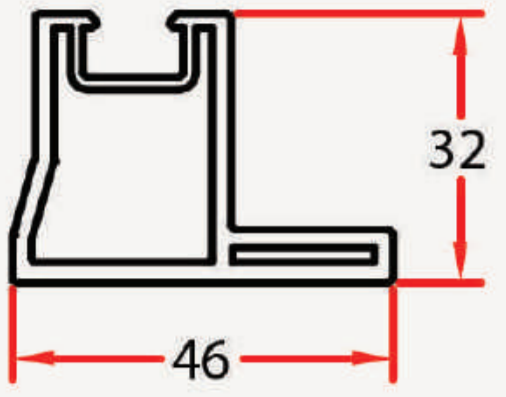
SWL24
Interlock 42



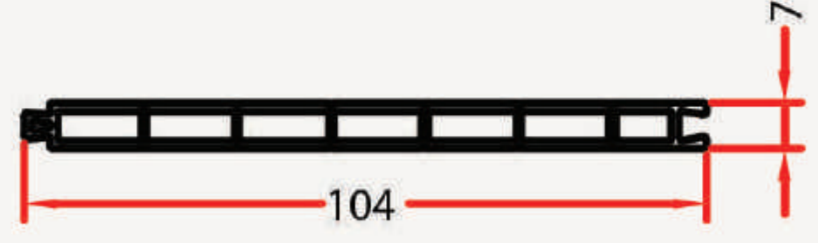
SWL25
Interlock 43



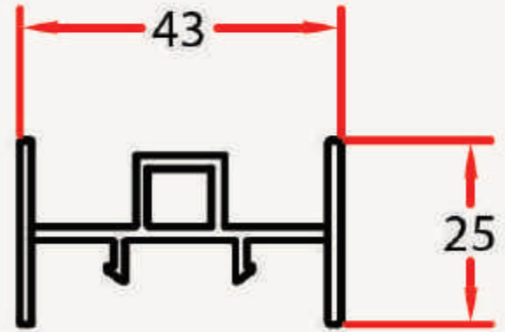
SIMTA ASTRIX SERIES (ACCESSORIES)



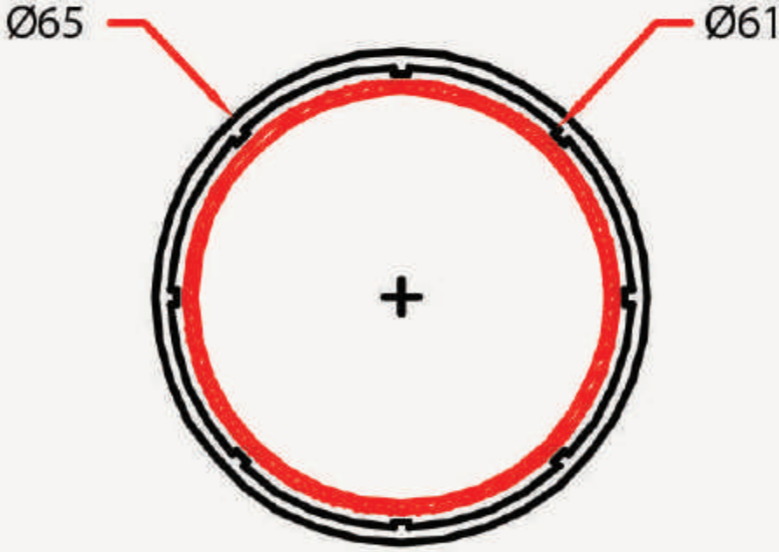
AWL32
Add on track



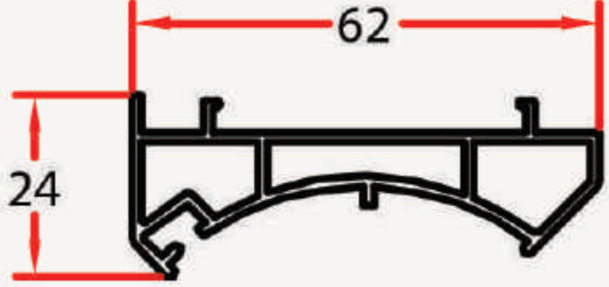
AWL36
Door panel



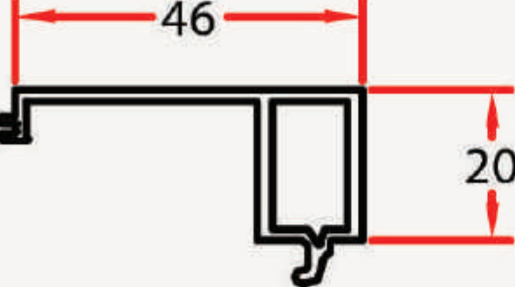
AWL38
Sliding connector 38



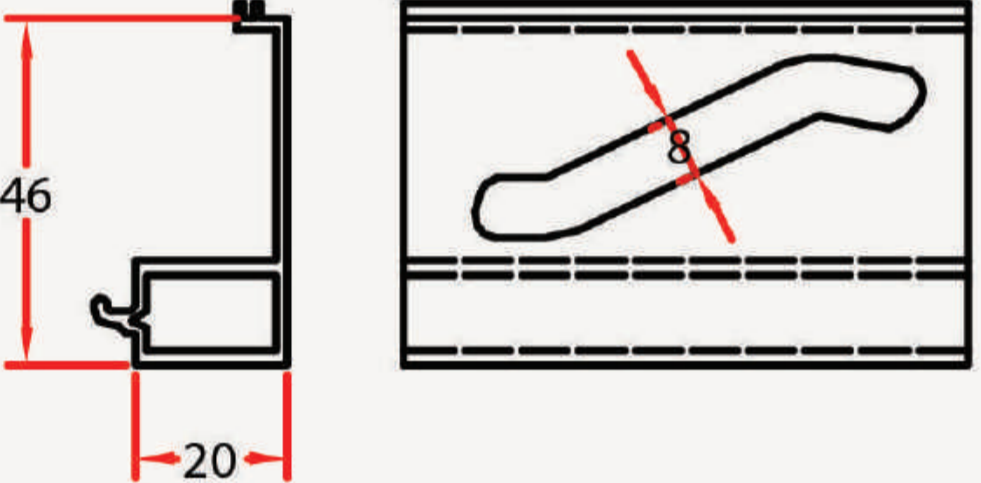
AWL39
Bay Pole



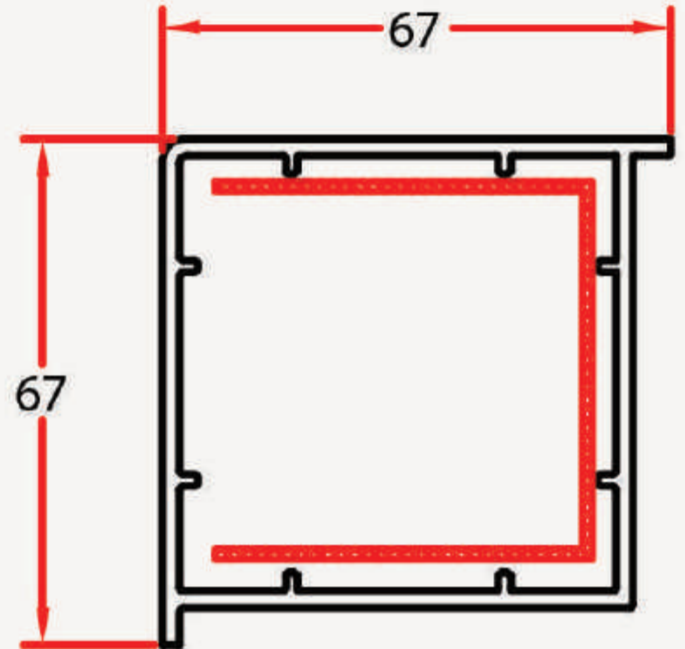
AWL40
Bay pole adapter



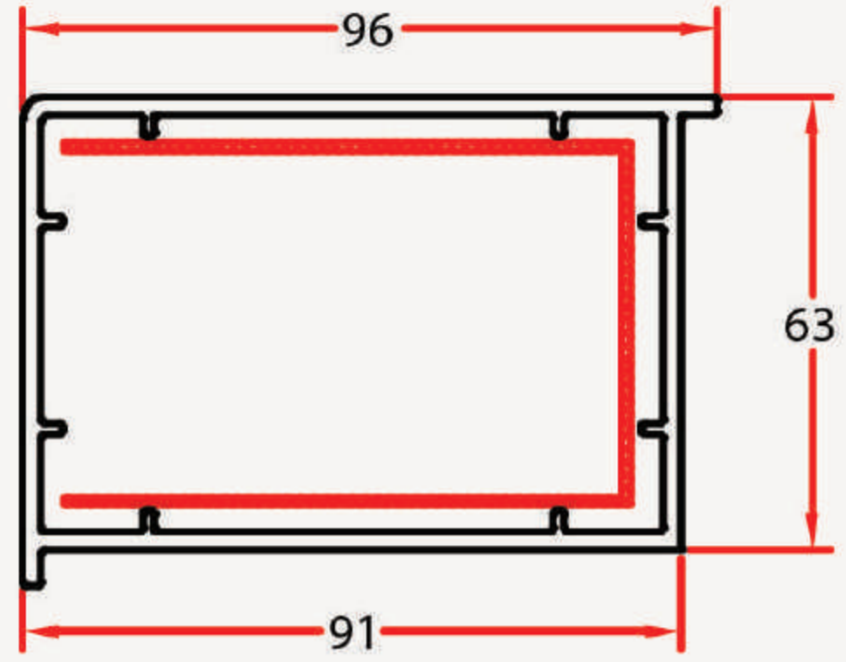
AWL41
Ventilator bead plain



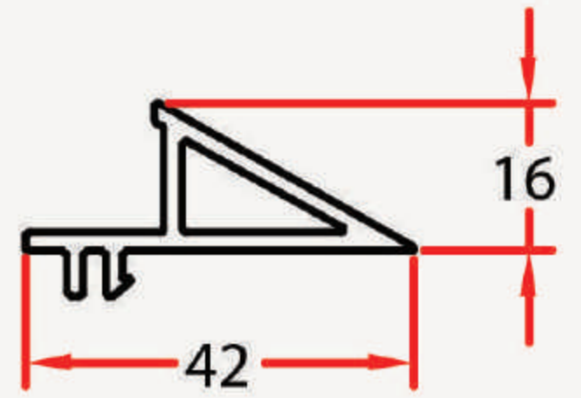
AWL42
Ventilator cap punched



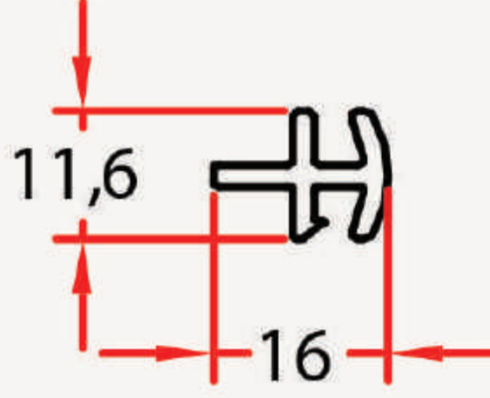
AWL43
Square Bay 60 * 60



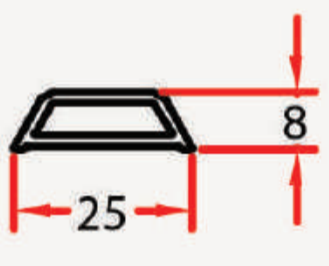
AWL44
Square Bay 60*88



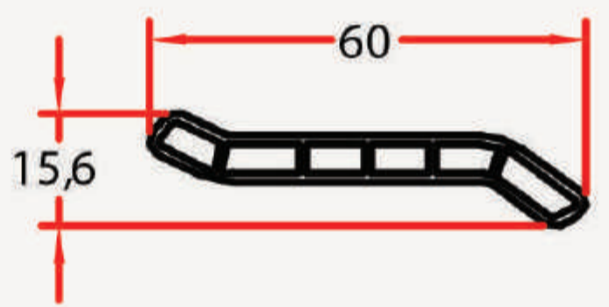
AWL45
2.5 Track connector



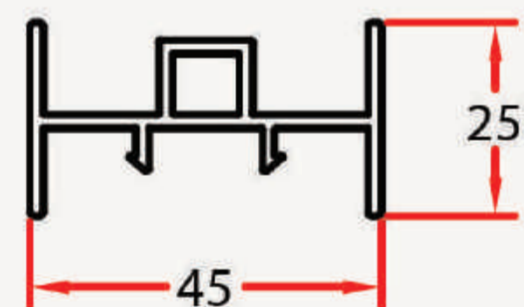
AWL46
T Connector



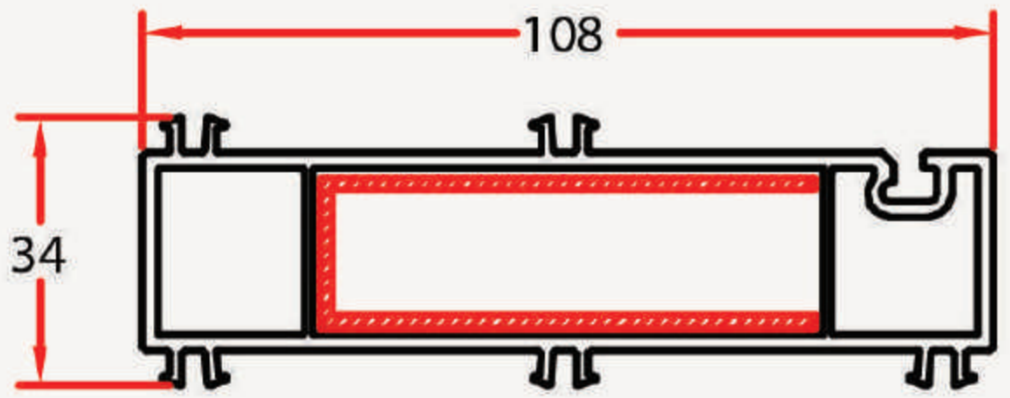
AWL47
Georgian bar



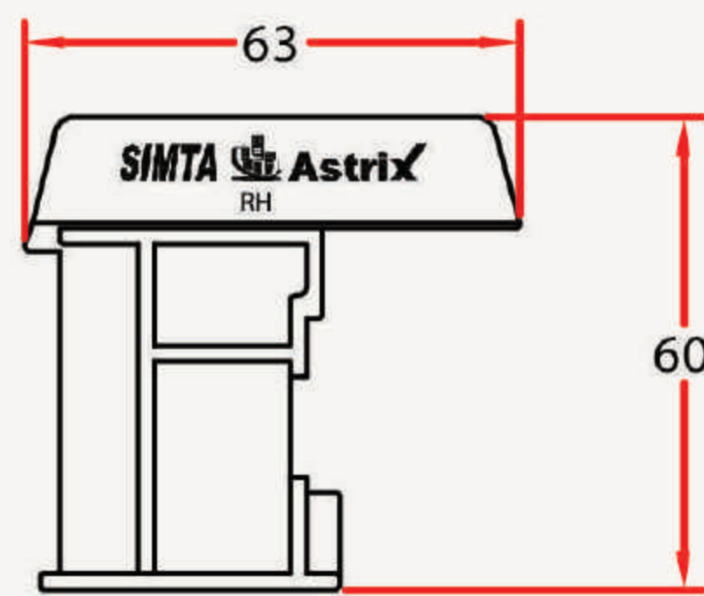
AWL48
S-Louver



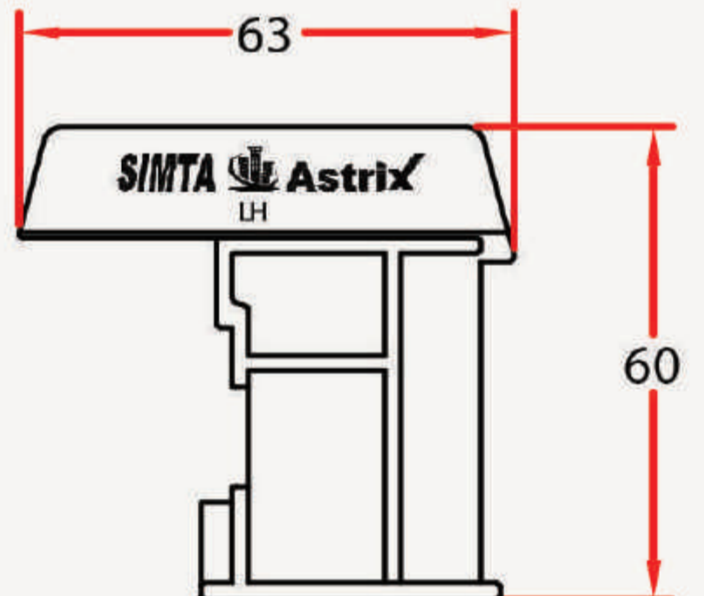
AWL50
Sliding connector 40



AWL51
3 Track Connector



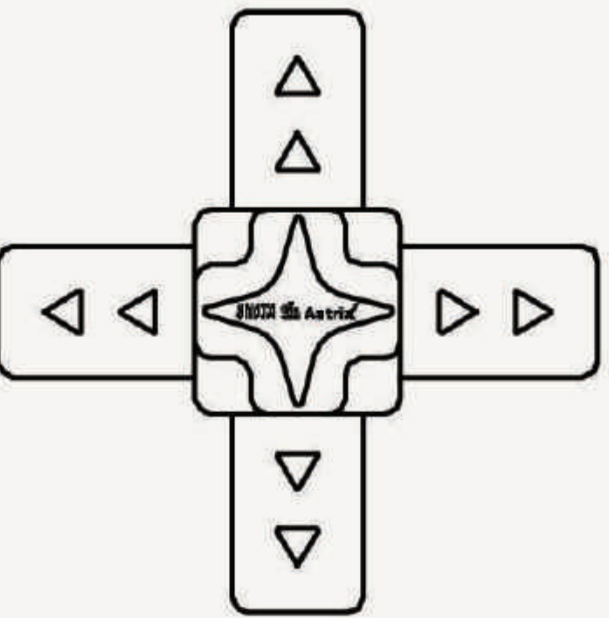
AWL66
False Mullion Cap Right



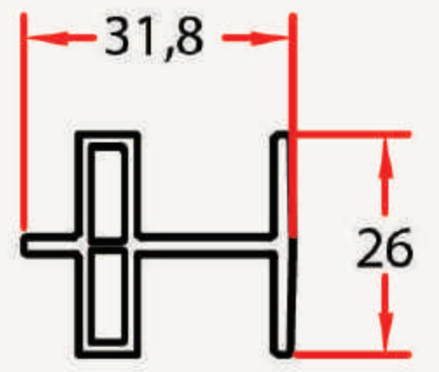
AWL67
False Mullion Cap Left



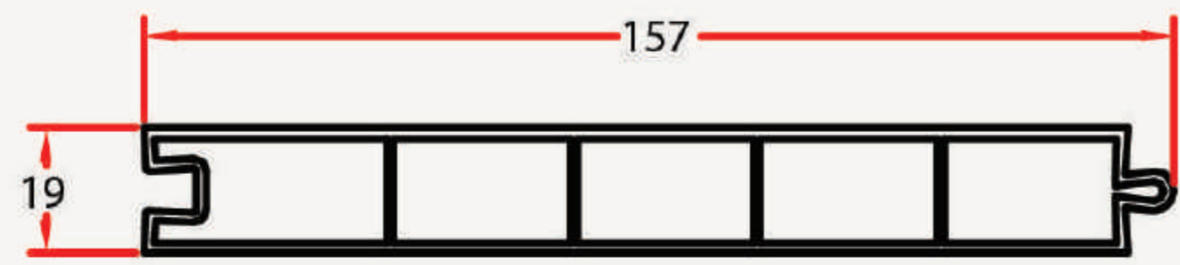
AWL68
Add-on Track Button



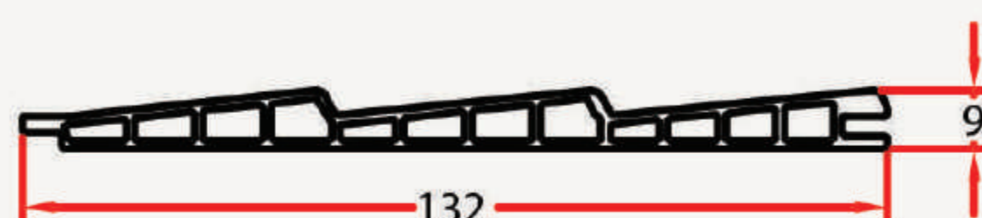
AWL69
Georgian bar connector



AWL75
Mosquito sash connector



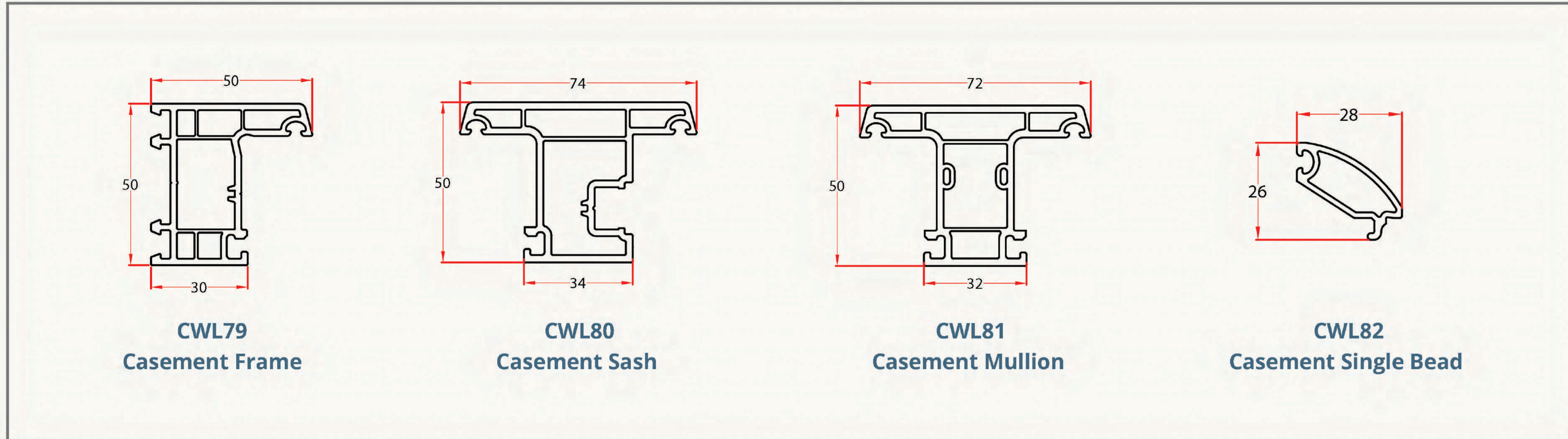
AWL64
Door panel 19mm



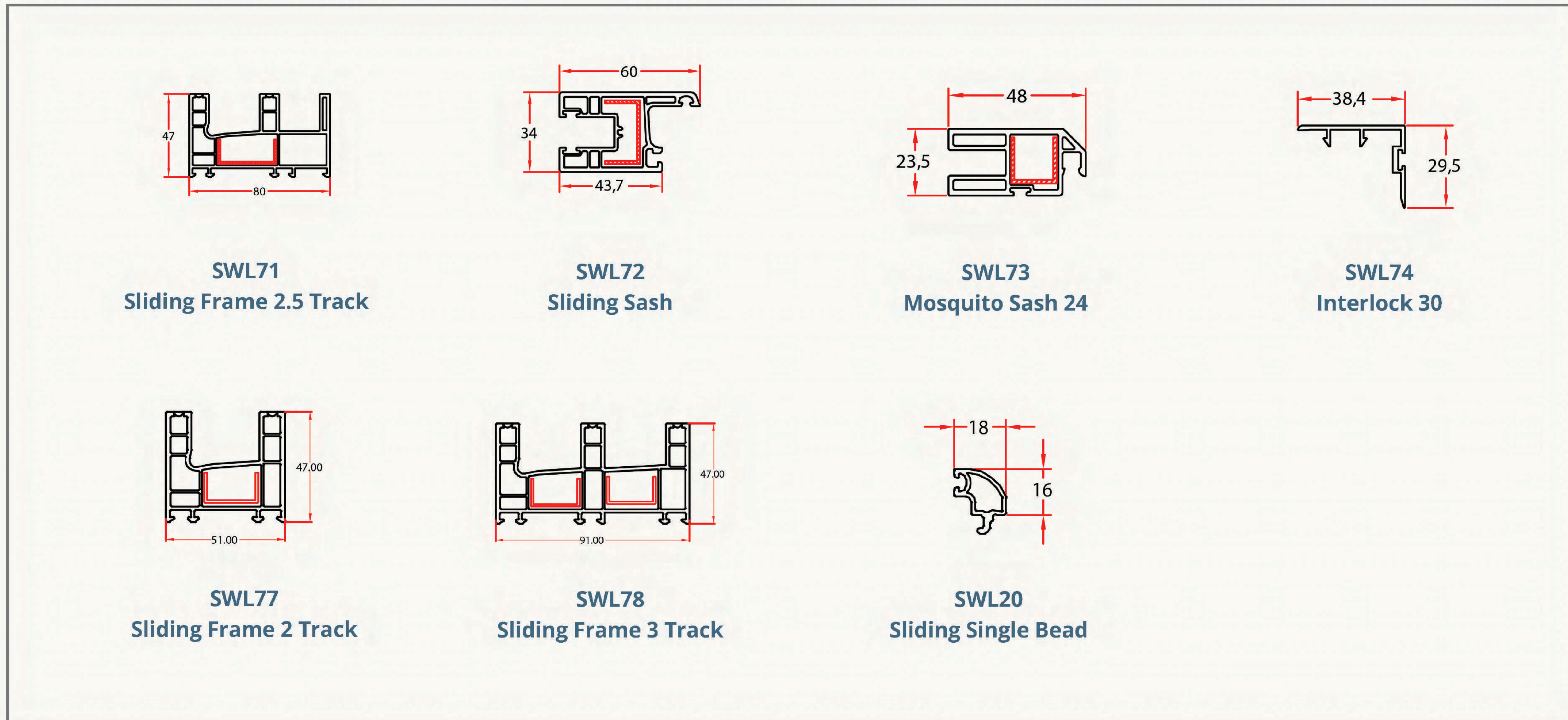
AWL65
Door Louver



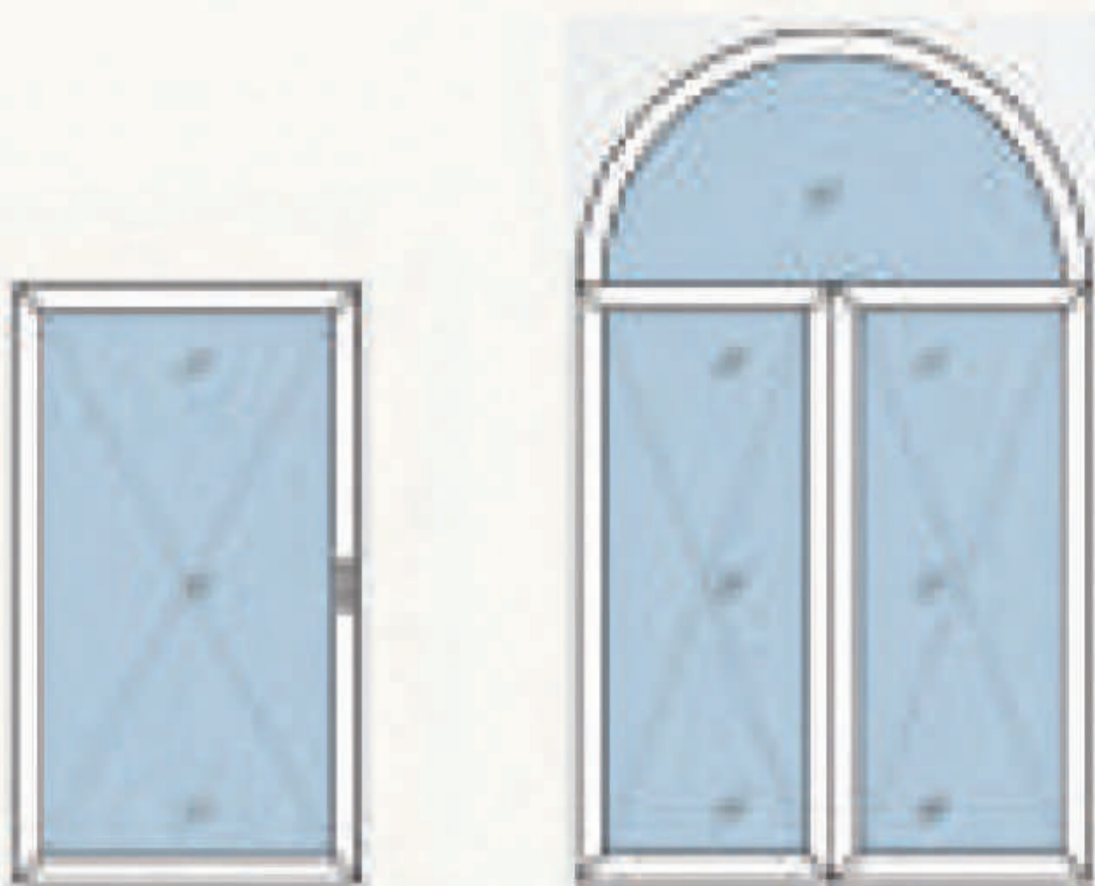
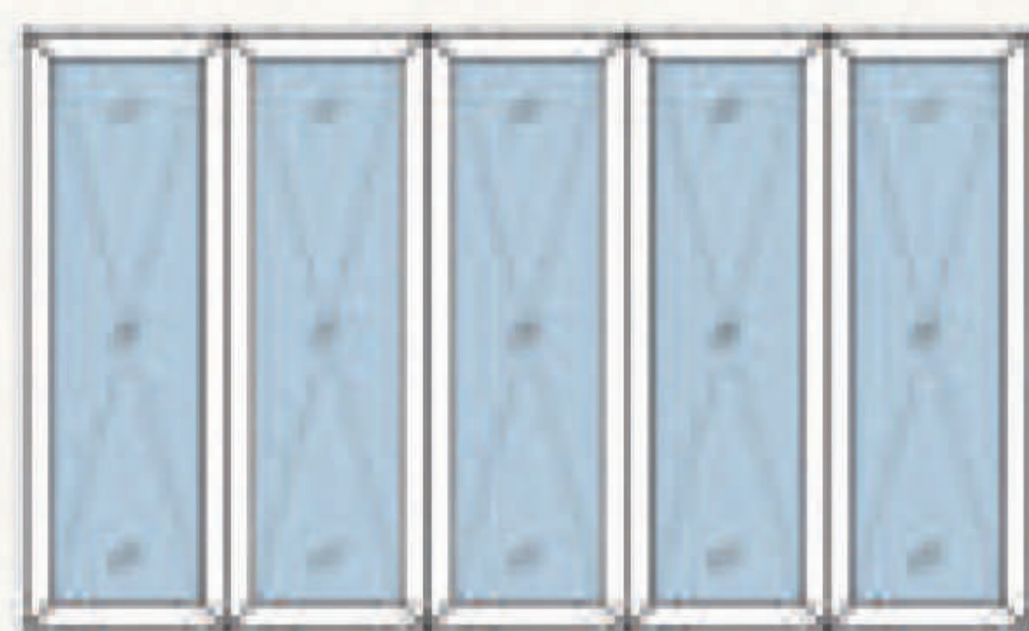
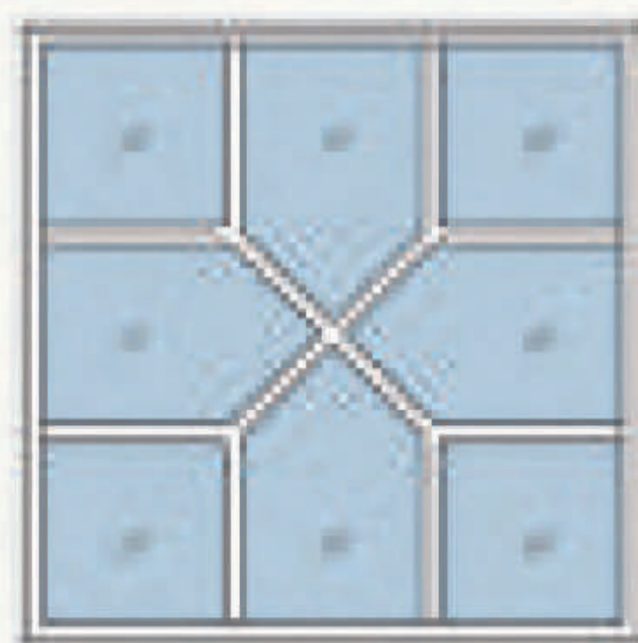
SIMTA SMART SERIES (CASEMENT)



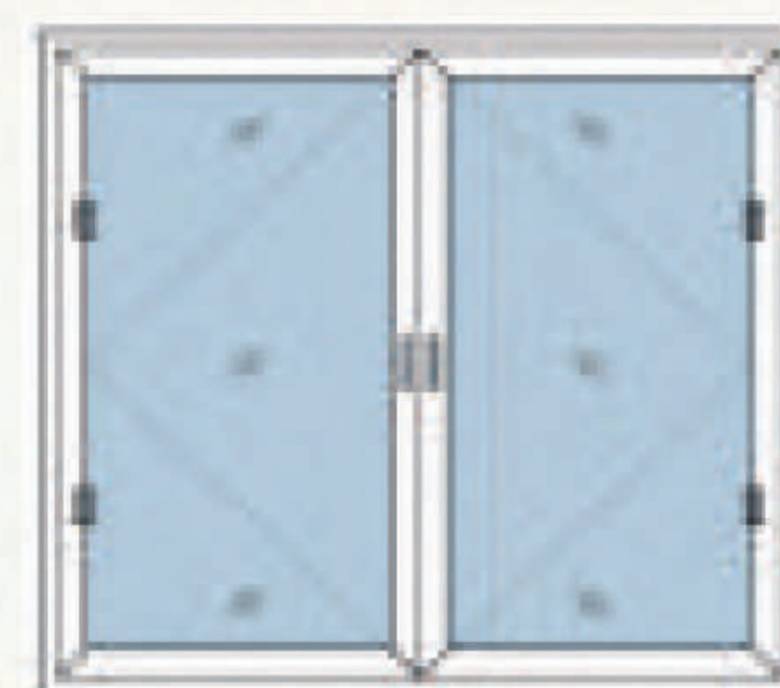
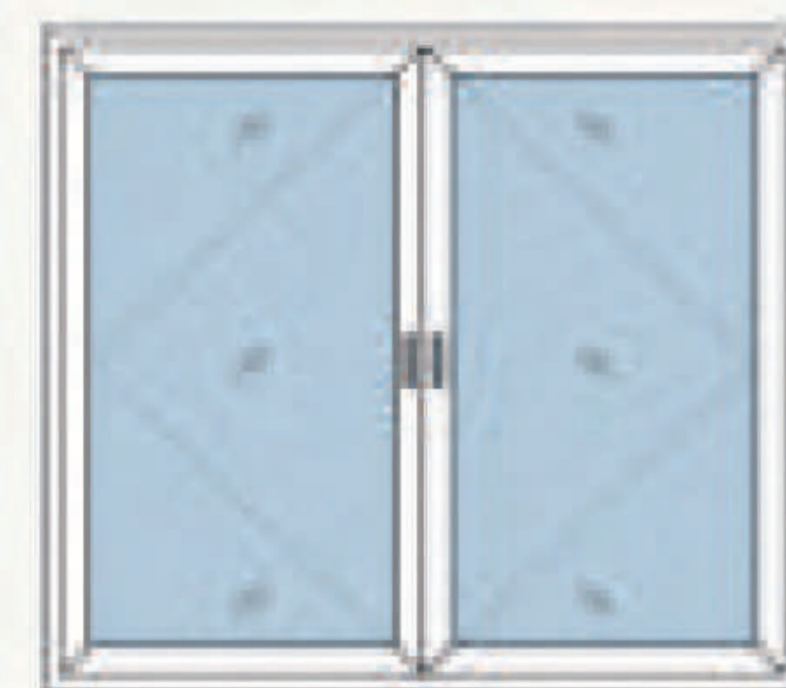
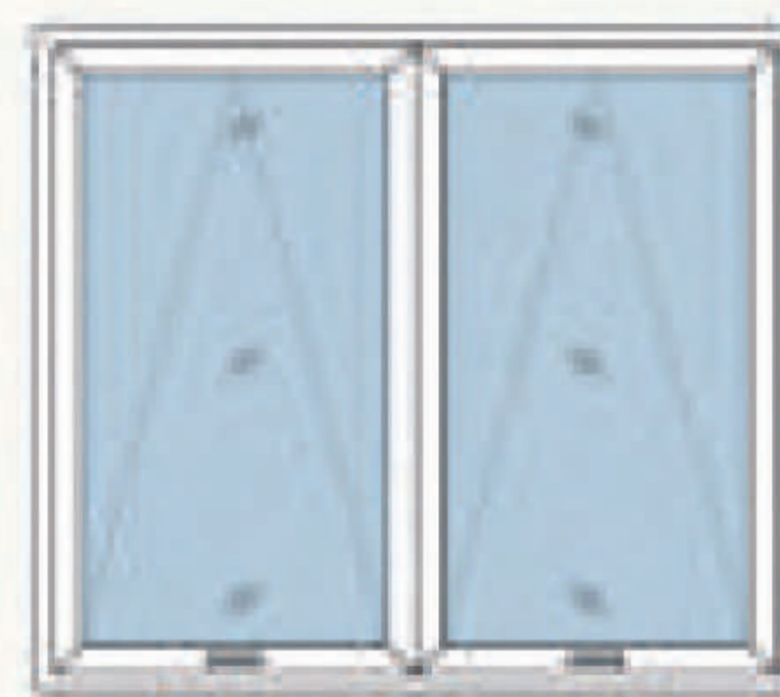
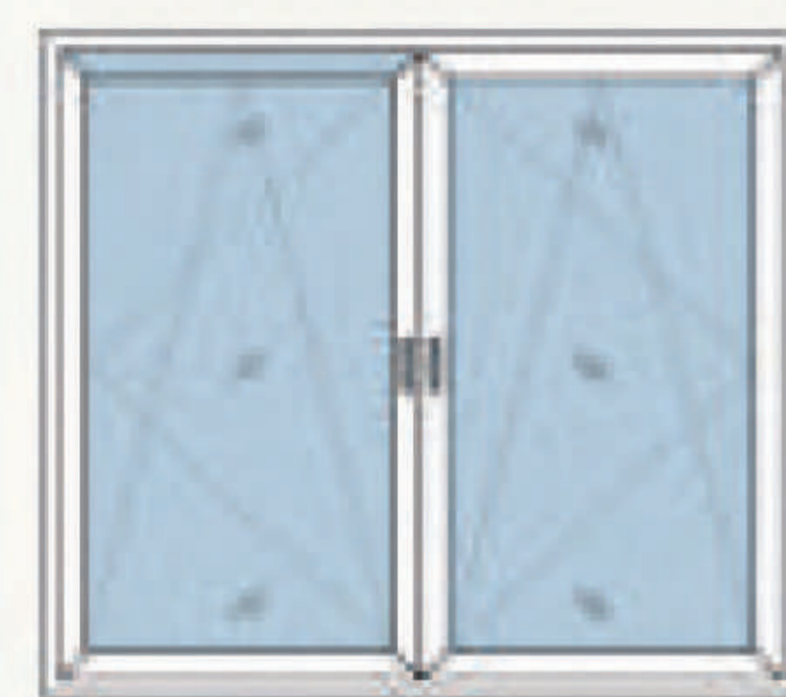
SIMTA SMART SERIES (SLIDING)



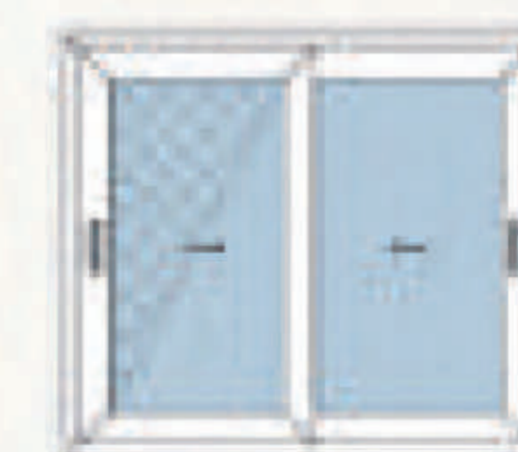
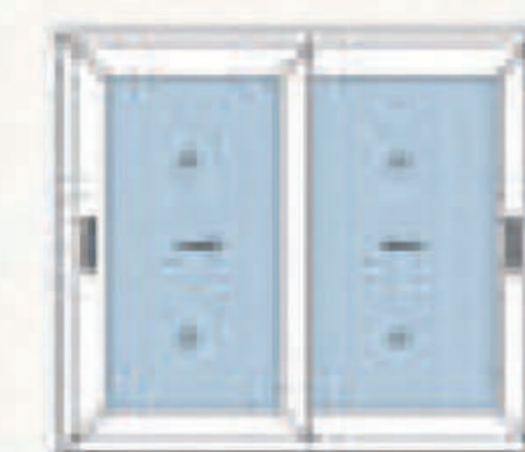
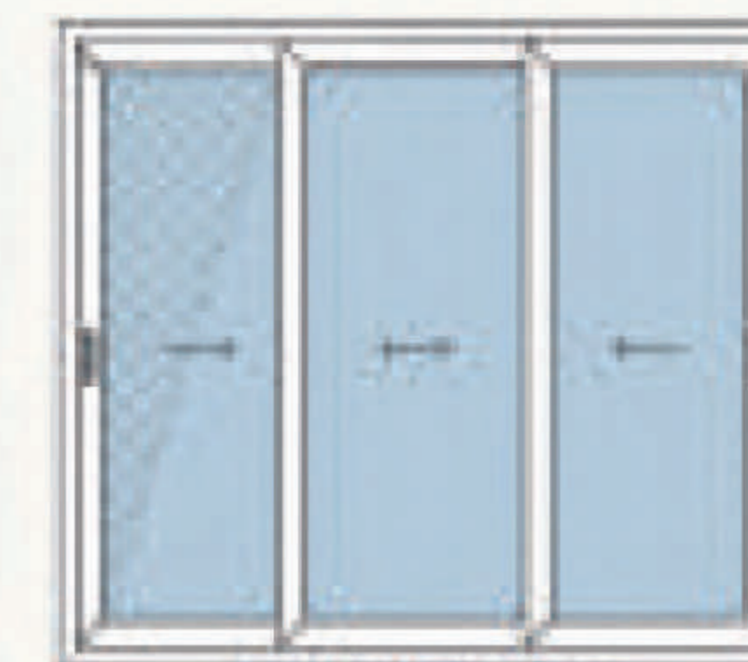
FIXED WINDOWS



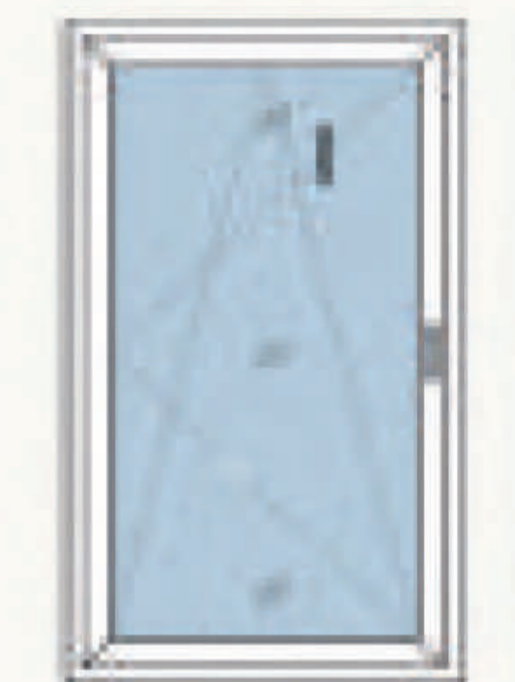
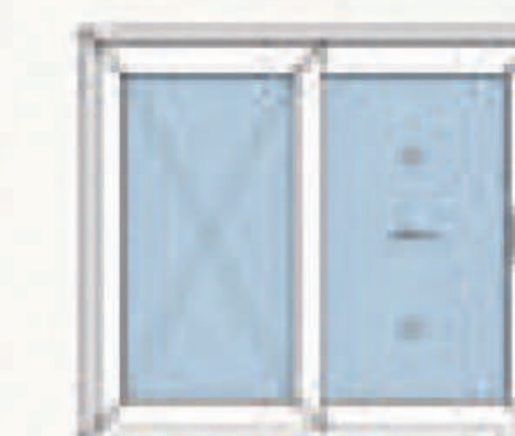
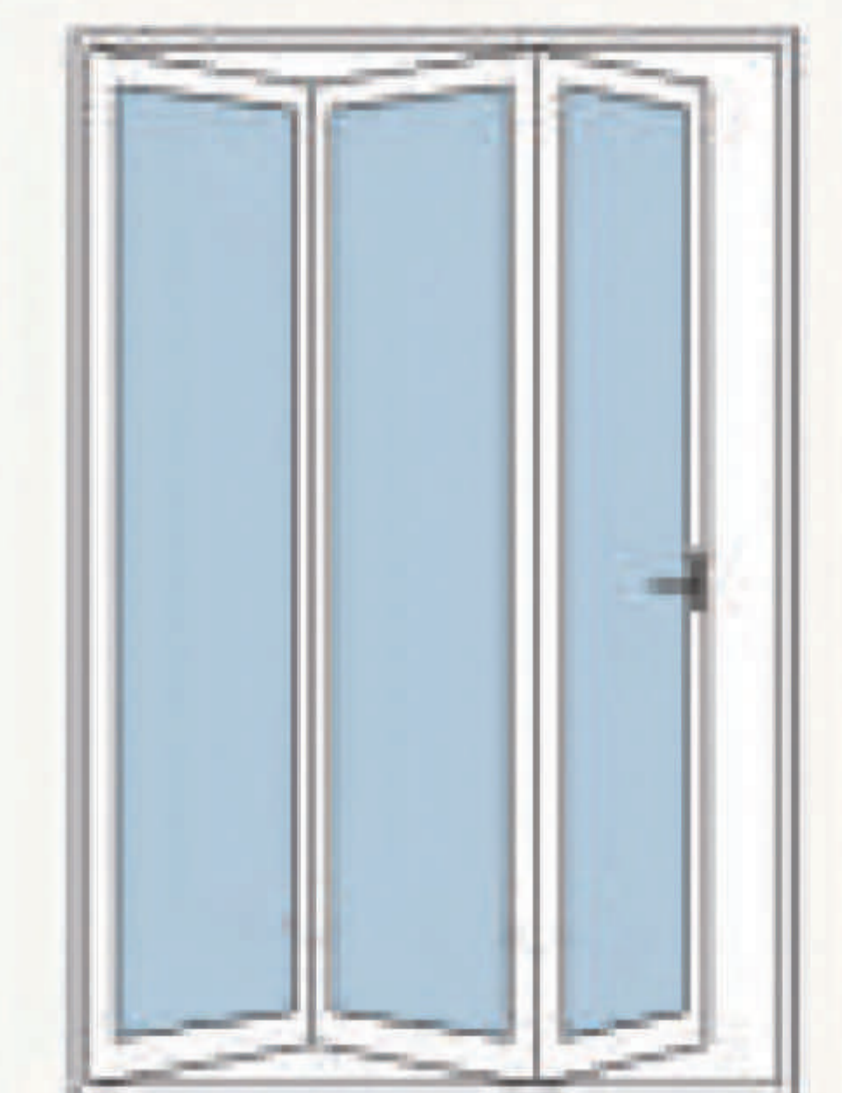
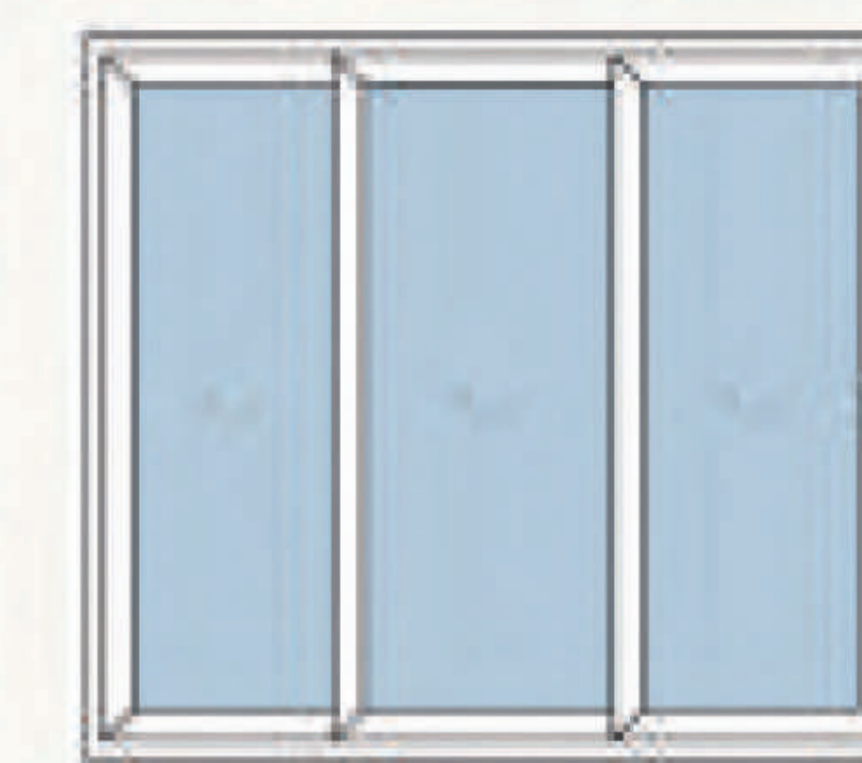
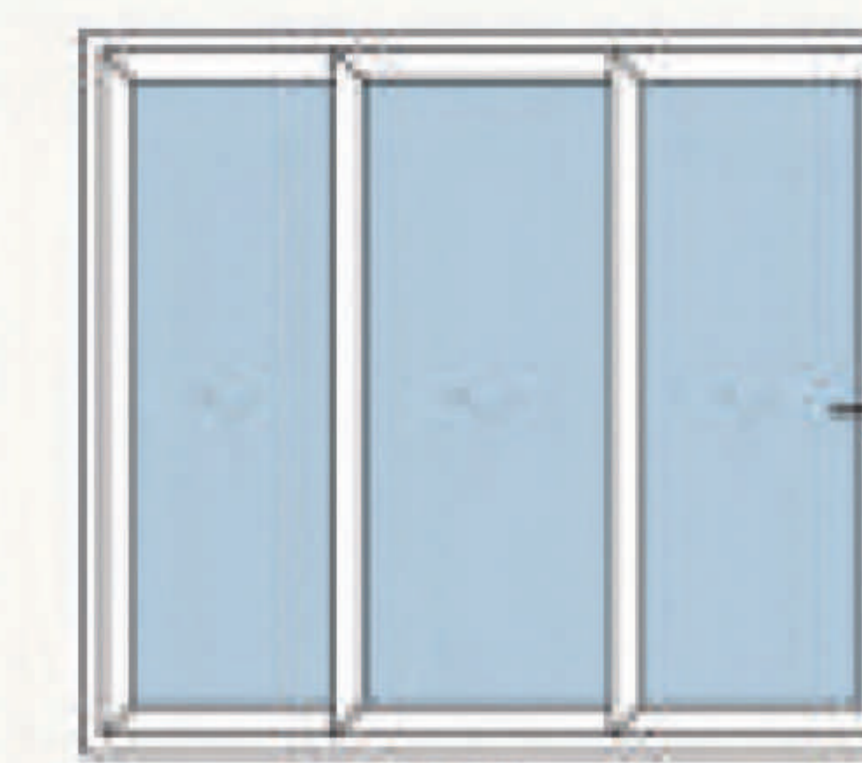
CASEMENT WINDOWS



SLIDING WINDOWS



SPECIAL WINDOWS



Glazing Options

Sliding: 4mm to 20mm

Casement: 4mm to 24mm

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