

A wide range of  
window & door solutions

We Save Trees,  
We Build Dreams



**SIMTA**  **Astrix**  
*Built with Science, Built for Future*

# The Story Behind SIMTA Astrix

**ESTABLISHMENT**

**1991**

**TURNOVER**

**350 CRORE**

**PRODUCTION CAPACITY**

**18000 TONS/ANNUM**

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 33 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 18000 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 are 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.

Simta Astrix upvc profiles are manufactured as per rohs compliance.

Calcium zinc is used as heat stabiliser as per international standards.



# 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, choking, 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

# TiO<sub>2</sub>





# Infrastructure

Simta Astrix 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 18000 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

## COMPUTER CONTROLLED WEIGHING SYSTEM



### 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).





# Product Range

**AESTHETICALLY  
PLEASING  
TEXTURES**

EXTERIOR GRADE  
FOILS FROM



PUR HOT MELT  
ADHESIVES FROM

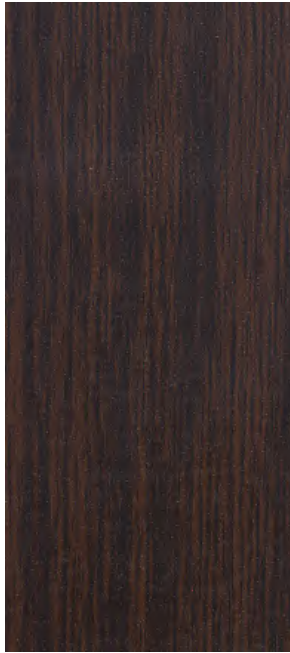




**GOLDEN OAK**



**DARK OAK**



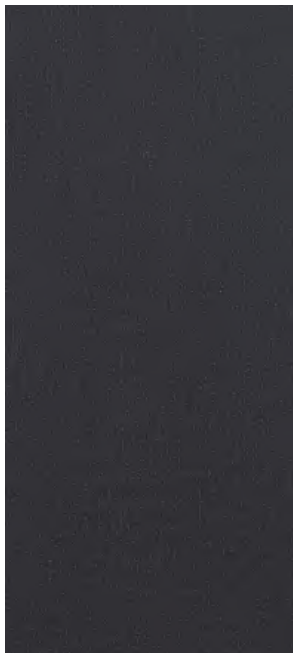
**MAHOGANY**



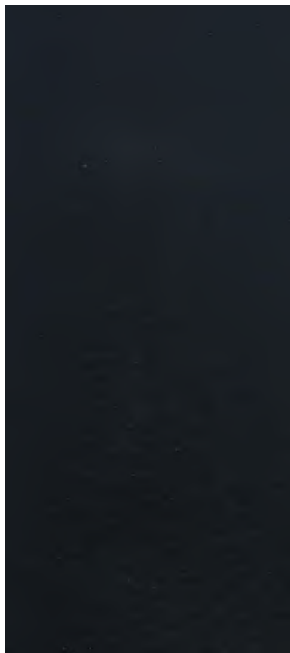
**WALNUT**



**GREY**



**BLACK**



**ALUX SILVER**



**PYRITE GOLD**



Multiple  
color choices



Wooden texture  
and metal finishes



European manufactured  
external grade laminated foils



Hot melt PUR  
technology



20yrs of  
warranty



Immediate  
stock availability



**SKZ**  
Germany



**SGS**  
Material Testing  
Centre



**CIPET**  
Central Institute of  
Petrochemicals  
Engineering & Technology.



**TUV india**  
TUV NORD Group



## VALIDATION THROUGH TEST

## MANUFACTURING STANDARDS

## EN 12608-1-2016



IN HOUSE TESTING FACILITIES

- 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





# BENEFITS

No.	Parameters	Range	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 -1-2016.
7	Suitable for Tropical Clirriatu	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,PUR 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	Single - 4mm to 12mm	Effortless Maintenance of casement windows.
16	Max Glass Thickness	Double - upto 24mm Stronger	Noise resistance upto 25 to 40db. (70% to 55% noise reduction possible WW1 Double glazing with proper selection of glass).

**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 deads 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

**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.



**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.

## SPECIAL CATEGORIES



### 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





# ABS Doors

We've manufactured various types of ABS doors, and have a good reputation for these doors in all over the world. As the inside of the doors are filled with honey-comb, the doors have high soundproof and insulation functions.

Also, due to wrap by PVC sheet, ABS door has high-quality water-proof. Various designs are available through the vacuum forming of the ABS resin. The foaming PVC and LVL materials, which provide easy finishing and bending-prevention function, can solve any potential problems on the doors.



# 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!



# Steel Doors

Our Steel doors are meticulously crafted to ensure exceptional security and quality adhering to international standards.

Our diverse product range includes galvanized iron doors, fire safety doors and stylish Steel doors.

The doors are designed for longevity, making them ideal for various applications which ranges from commercial to industrial needs.

Choose our Steel doors for unmatched to security and premium quality.





# System Aluminium Windows & doors

Introducing Sleek, strong, smooth & Beautiful aluminium windows and doors. Our Simta Astrix systems offers great strength and the maximum doable sizes makes it ideal for a wide range of projects, from extensions to large scale commercial use.

**Simta Astrix offers infinite colour options available in the following finishes.**

- 1 ANODIZING AND ELECTRO ANODIZING**
- 2 POWDER COATED (NORMAL, TEXTURE, PVDF)**
- 3 WOODEN FINISHES.**

Tried and tested hardware are used in the mechanism for effortless usage & durability. Simta Astrix takes all the benefits of Aluminum windows & doors and adds extra features to make it the perfect choice for those who need strength with size.

## SPECIFIC FEATURES OF ALUMINUM WINDOW AND DOOR SYSTEMS

- 1 SYSTEMS WITH HIGH THERMAL EFFICIENCY**
- 2 SHUTTERS OF LARGE SPAN**
- 3 ERGONOMICALLY STYLED HARDWARES**
- 4 SLEEK AND SLIM SYSTEM**
- 5 UNIQUELY DESIGNED SYSTEMS**





Zero Maintenance  
No Contraction  
100% All Weather Proof



First in segment ROHS  
Compliant Leadfree  
Profiles



From India's Largest  
Manufacturer of uPVC  
Profiles



One & Only Weldable  
Modular uPVC Profiles

# Lavish Interiors

now in uPVC





Inside White, Outside  
Quartz Colour Printing  
First in Asia



Unlimited Colour  
Options

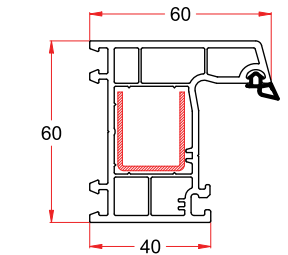


Complete Interior  
Solutions by Simta Astrix  
uPVC Profiles

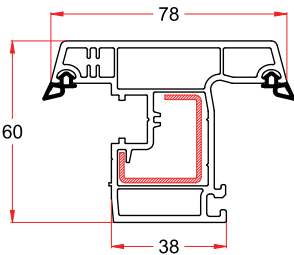


Unbounded Options  
incessant colours

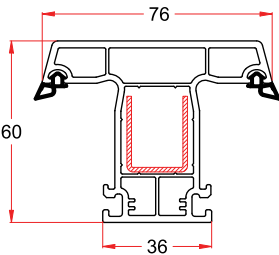




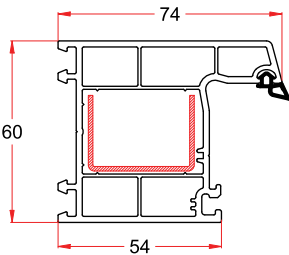
**CWL-01**  
Casement Frame 60  
**RI-CWL-01**



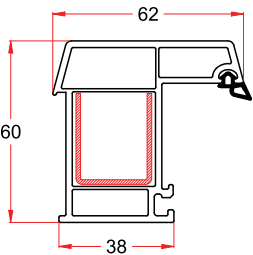
**CWL-02**  
Casement Sash  
**RI-CWL-02**



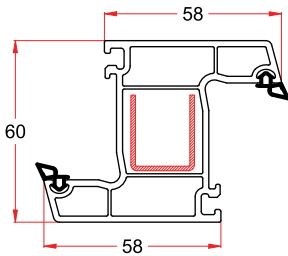
**CWL-03**  
Casement Mullion  
**RI-CWL-01**



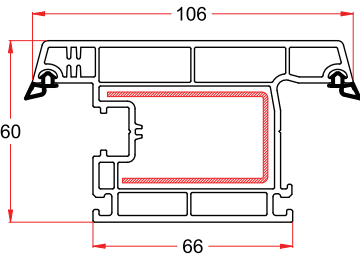
**CWL-26**  
Casement Frame 74  
**RI-CWL-26**



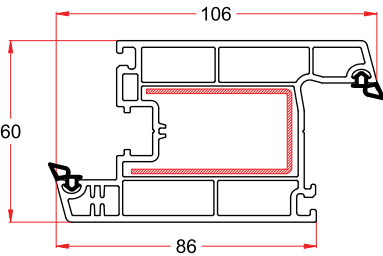
**CWL-37**  
False Mullion  
**RI-CWL-37**



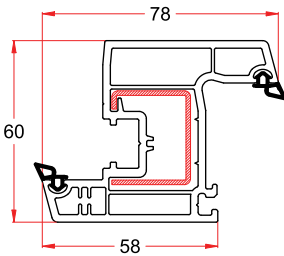
**CWL-27**  
Casement Z Mullion  
**RI-CWL-01**



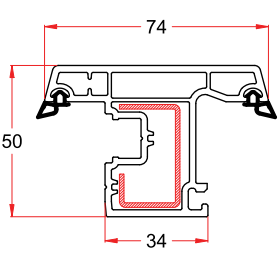
**CWL-29**  
Casement Door Sash Outward 106  
**RI-CWL-29**



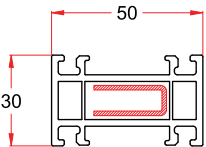
**CWL-30**  
Casement Door Sash Inward 106  
**RI-CWL-30**



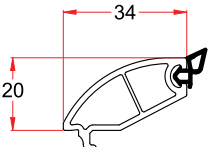
**CWL-31**  
Window Sash Inward  
**RI-CWL-31**



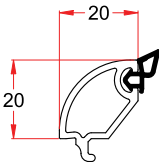
**CWL-49**  
Casement Grill Sash 50  
**RI-CWL-49**



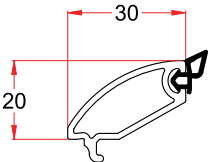
**CWL-55**  
Ventilator Frame  
**RI-CWL-55**



**CWL-17**  
Casement Single Bead

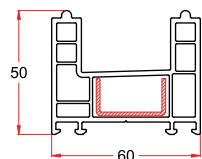


**CWL-18**  
Casement Double Bead

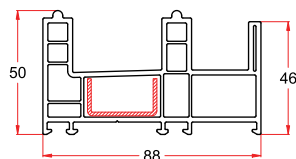


**CWL-19**  
Casement Mid Bead

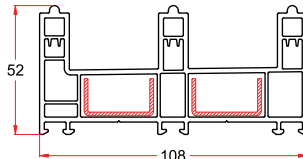




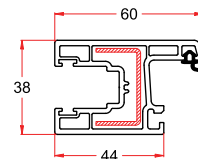
**SWL-04**  
Sliding Frame 2 Track  
RI-SWL-04



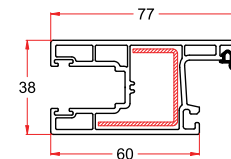
**SWL-05**  
Sliding Frame 2.5 Track  
RI-SWL-04



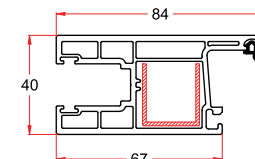
**SWL-06**  
Sliding Frame 3 Track  
RI-SWL-04



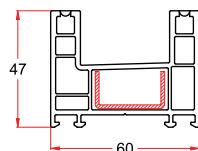
**SWL-07**  
Sliding Sash 60  
RI-SWL-07



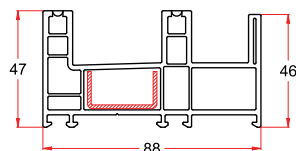
**SWL-08**  
Sliding Sash 77  
RI-SWL-08



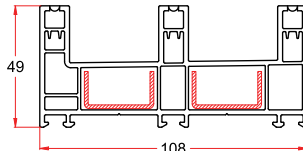
**SWL-09**  
Sliding Sash 84  
RI-SWL-09



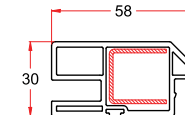
**SWL-11**  
Sliding Frame 2 Track (WOT)  
RI-SWL-04



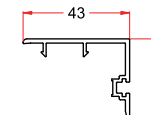
**SWL-12**  
Sliding Frame 2.5 Track (WOT)  
RI-SWL-04



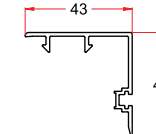
**SWL-13**  
Sliding Frame 3 Track (WOT)  
RI-SWL-04



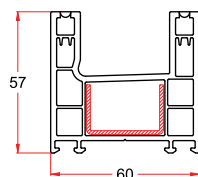
**SWL-10**  
Mosquito Sash  
RI-SWL-10



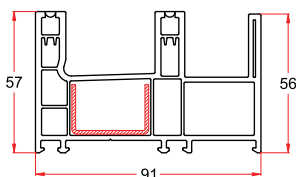
**SWL-23**  
Interlock 34



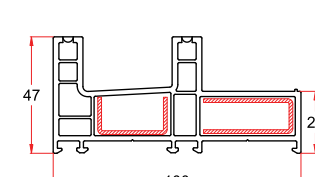
**SWL-24**  
Interlock 42



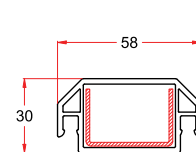
**SWL-14**  
Sliding Frame 2 Track 57 (WOT)  
RI-SWL-14



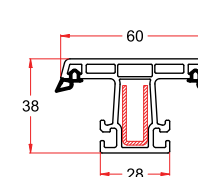
**SWL-15**  
Sliding Frame 2.5 Track 57 (WOT)  
RI-SWL-14



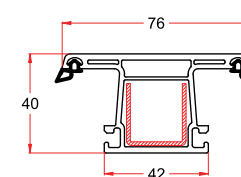
**SWL-90**  
Sliding Frame 2 Track With Grill  
RI-SWL-04/90



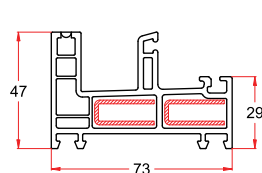
**SWL-33**  
Mosquito Sash Mullion  
RI-SWL-33



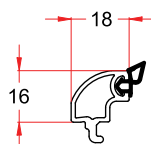
**SWL-34**  
Sliding Sash Mullion 38  
RI-CWL-55



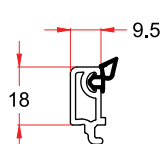
**SWL-35**  
Sliding Sash Mullion 40  
RI-SWL-35



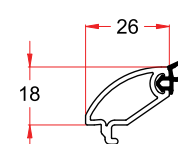
**SWL-56**  
Mono-rail  
RI-SWL-55



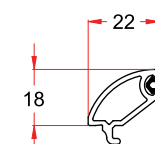
**SWL-20**  
Sliding Single Bead



**SWL-21**  
Sliding Double Bead

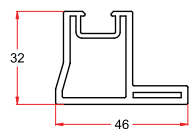


**SWL-22**  
Sliding Mosquito Bead

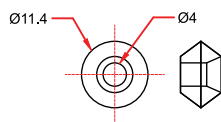


**SWL-54**  
Sliding Single Bead 84

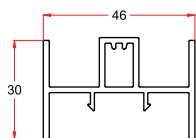




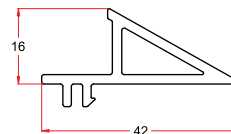
**AWL-32**  
Add-on Track



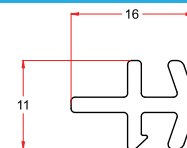
**AWL-68**  
Add-on Track Button



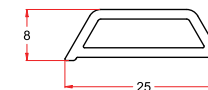
**AWL-50**  
Sliding Connector 40



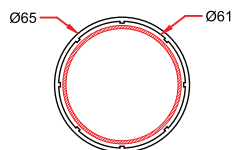
**AWL-45**  
2.5 Track Connector



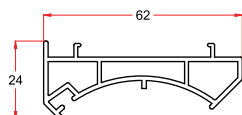
**AWL-46**  
T - Connector



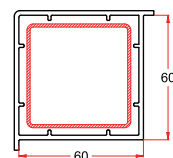
**AWL-47**  
Georgian Bar



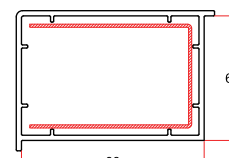
**AWL-39**  
Round Bay Pole  
**RI-AWL-39**



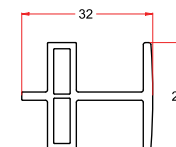
**AWL-40**  
Bay Pole Adapter



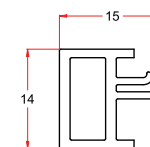
**AWL-43**  
Square Bay 60 \* 60  
**RI-AWL-43**



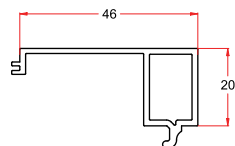
**AWL-44**  
Square Bay 60 \* 88  
**RI-AWL-44**



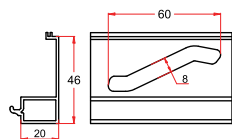
**AWL-75**  
Mosquito Sash Connector



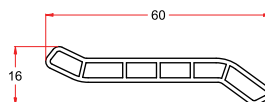
**AWL-85**  
Mosquito Mesh Adapter



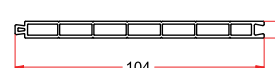
**AWL41**  
Ventilator Cap



**AWL-42**  
Ventilator Cap Punched



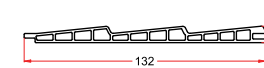
**AWL-48**  
S - Louver



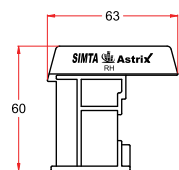
**AWL-36**  
Door Panel



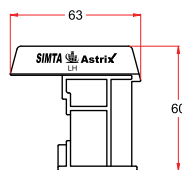
**DWL-64**  
Door Panel 19mm



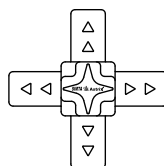
**DWL-65**  
Door Louver



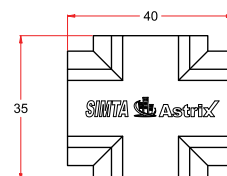
**AWL-66**  
False Mullion Cap - Right



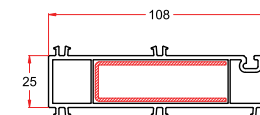
**AWL-67**  
False Mullion Cap - Left



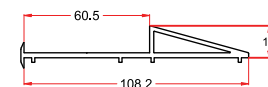
**AWL-69**  
Georgian Bar Connector



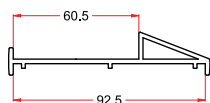
**AWL-86**  
Georgian Bar Connector Clip



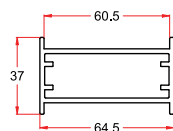
**AWL-51**  
3 Track Connector  
**RI-AWL-51**



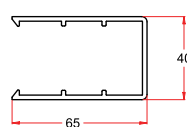
**AWL-87**  
3 Track Aluminium Connector



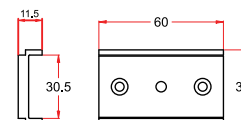
**AWL-88**  
3 Track Connector 92x60



**AWL-89**  
H Connector 60x60



**AWL-91**  
Hurricane Bar

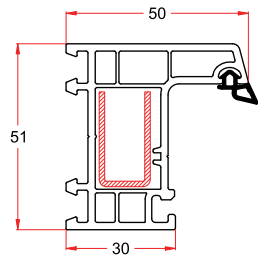


**AWL-92**  
Hurricane Bar Locator Clip

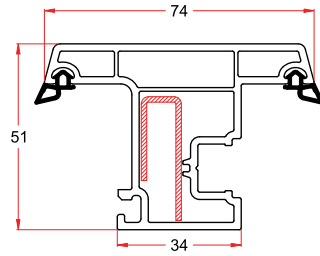


# SIMTA ASTRIX uPVC PROFILES

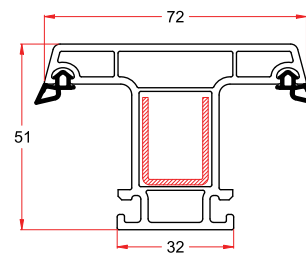
# CASEMENT SMART SERIES (C)



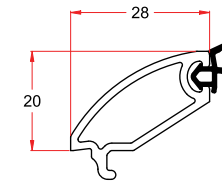
**CWL-79**  
Casement Frame 51  
**RI-CWL-79**



**CWL-80**  
Casement Sash 51  
**RI-CWL-80**

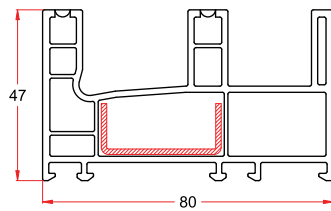


**CWL-81**  
Casement Mullion 51  
**RI-CWL-81**

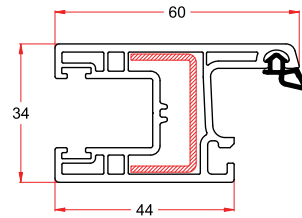


**CWL-82**  
Casement Single Bead 51

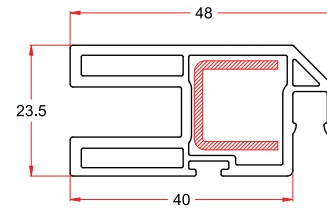
# SLIDING SMART SERIES (S)



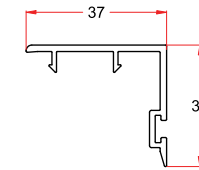
**SWL-71**  
Sliding Frame 2.5 Track - 80 (WOT)  
**RI-SWL-71**



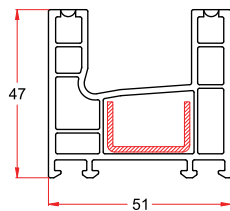
**SWL-72**  
Sliding Sash 60x34  
**RI-SWL-72**



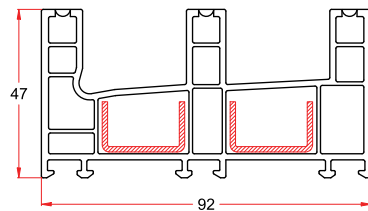
**SWL-73**  
Mosquito Sash  
**RI-SWL-73**



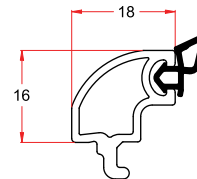
**SWL-74**  
Interlock 30



**SWL-77**  
Sliding Frame 2 Track - 51 (WOT)  
**RI-SWL-77**



**SWL-78**  
Sliding Frame 3 Track - 92 (WOT)  
**RI-SWL-77**



**SWL-20**  
Sliding Single Bead





PURAVANKARA



RADIANCE  
REALTY



SIGNATURE  
AVENUES





## Certified Government Collaborations





### 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.



Corporate office  
Coimbatore



Exclusive experience center  
Bengaluru







*Built with Science, Built for Future*

**SIMTA CLEAR COATS PRIVATE LIMITED**

No. 4/56, Somanur Road, Sulur,  
Coimbatore 641402

[profiles@simta.com](mailto:profiles@simta.com)

9789406444, 9789407444

[www.simtaastrix.com](http://www.simtaastrix.com)

