

SAC
PYRAMID

uPVC WinDoor Systems

EXPERT SOLUTIONS FOR PERFECT HOMES

Let's Open Happiness...

uPVC WINDOW & DOOR

Product Manual

Welcome to SAC

SAC Pyramid uPVC WinDoor Systems is a key player in fabrication industry, supplying a wide range of uPVC products, uPVC profiles.

At present the company is located at Bangalore which manufactures uPVC DOORS & WINDOWS systems, Security Cabins, Office Cabins and Partitions.

Our strategy is to create world class products, so that we can satiate the demands of our consumers and thus, surpass our contemporaries in competition. It is with our integrated efforts and customer service that we have managed to keep our growth rate on an upward swing; in spite of the present economic turmoil, which has adversely affected people's lives and ways in which business is being conducted.

SAC Pyramid uPVC WinDoor Systems is passionate about the role of fabrication in transforming our built environment, such as decreasing construction time frames and construction waste while increasing quality, productivity and affordability.

At SAC Pyramid uPVC WinDoor Systems , we look forward to customer satisfaction. Our main objective is to ameliorate our customers and stakeholders, and in the process strengthen the roots of our organization, so that we can emerge as a behemoth in the fabrication industry.



OUR MISSION

Our mission is to create cleaner safer world by using environment friendly products

OUR VISION

To create a world class fabrication manufacturing industry that pursues Quality, Cost Reduction and productivity improvement technics leading to customers satisfaction and carry out environment friendly products which will help make our earth a cleaner, safer place for generations to come.

WHAT WE OFFER

ANTI-AGING uPVC Windows for your Next Generation

Imported denaturalizing agent is applied and the agent for preventing UV ray's absorption is added in the SAC Pyramid uPVC WinDoor Systems. The product doesn't discolor and becomes aging or brittle even when it is exposed to direct sunlight, rainstorms, drying or humidity between-30°C and 70°C.



Product Features:



UV Resistant

Our UPVC profiles for windows and doors offer nearly 100% UV resistance as it contains optimal amounts of Tio2. This helps retain the correct amounts of whiteness against sun exposure.



Robust Design:

The designs are crafted for Our profiles by master designers with the optimal gradients, edges, and textures. The multiple benefits of Ventilation, robustness, aesthetics and view are guaranteed.



Cost Efficient

Our UPVC profiles are cost efficient in terms of maintenance and save energy. They are 40-50% cheaper than traditional Timber frames.



IAQ

The Indoor Air Quality or IAQ is maintained by avoiding the normal 37% energy loss through windows. Energy costs are reduced and buildings are deemed energy efficient.



Bug Repellent

India is still struggling to contain mosquito induced diseases like Dengue, malaria and others. Prevention is deemed better than cure and our mesh option can be of immense help. The sliding systems have a bug mesh option for areas with high mosquito incidence.

Product Features:



Maintenance Free

Our Windows and Doors systems are almost maintenance free. They are dirt resistant and can be cleaned easily with detergent and water.



Termite Resistant:

Our UPVC windows and doors are termite resistant.



Corrosion Resistant

Our profile has an in-built corrosion resistance that makes it immune to alkalis, salts, acids, and waste gases that are known corroding agents.



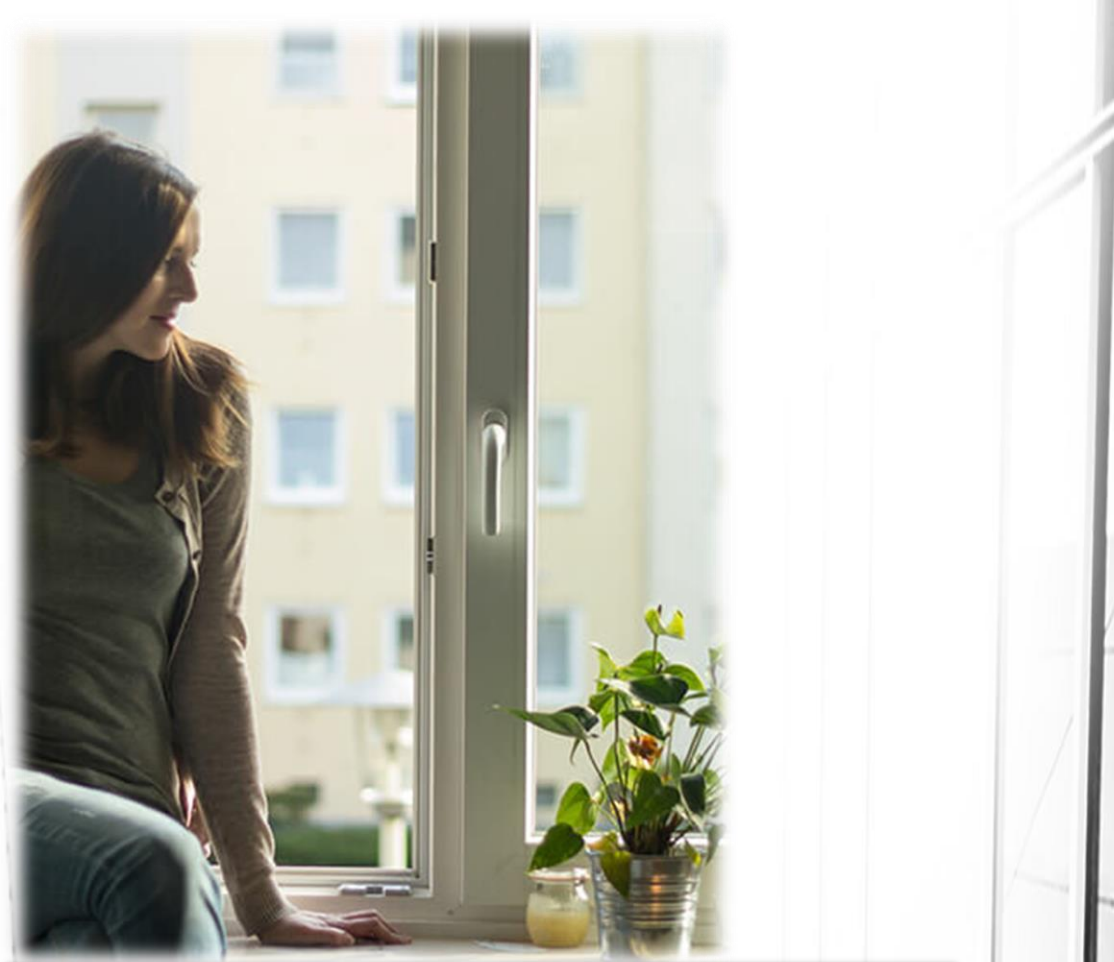
Fire Retardant:

Our UPVC profile is fire retardant too. Once the fire source is removed a carbonaceous layer is formed over the material preventing supply of oxygen and hence stopping the spread of the fire.



Acoustic Insulation:

Sound or acoustic insulation is of prime importance in the busy urban areas today. Sound pollution can be reduced by upto 30 db with the use of Our UPVC windows & doors



Casement Windows

The world-class product range of our profiles includes superlative 60 mm casement window series built for openable windows. The height pattern followed by this series is up to 1500 mm. the profile has a multiple option of single glazing and double glazing with a range of thickness that varies from 5 mm to 32 mm. Our window profiles have excellent drainage systems that make it of exceptional quality.

Advantages:

- Allows 100% opening
- Uninterrupted View
- Abundant supply of air and natural light
- Efficient acoustic and thermal performance



Casement Door

Our 60 mm casement door series is ably designed for heights over 1500 mm. The series also allows 100% opening. The flexibility is enhanced with the smart use of sash that enable both inward and outward opening. This highly innovative sash design also allows manufacturing of slide and fold systems.

Advantages:

- Optimal thermal and acoustic performance
- Compatible with international hardware.
- Recommended for dust and weather-proofing.



2Track Sliding Windows

The 60 mm sliding series is designed for both sliding doors and windows. It is incorporated with 2 slider tracks. The fabricators find this series very economical. Our profiles contain multiple chambers which give greater strength to them. These chambers provide tensile reinforcement to enhance the strength and all-round support to doors and windows.

Advantages:

- All-round strength and support to frame.
- Cuts out UV radiation and sound.
- Minimize dirt and pollutants.



Sliding Windows with Mosquito Mesh

Our 88mm Sliding Series is designed for Sliding Windows and Doors with Mosquito Mesh system. It provides a 50% opening which can be covered with a mosquito mesh which is very useful for prevention and entry of mosquito/insects inside house and also allows clear ventilation and fresh breeze.

Advantages:

- It is perfect for large windows and garden facing views.
- Lets in plenty of natural light and air.
- It can be used to beautify hallways opening to balconies.



Sliding Door with 3 Track

Our 108 mm sliding series is designed for Sliding Windows and Doors wherein there is a need for Larger Frames in Premium Apartments or Villas. The series boasts of a three-slider track which can be used in various configurations of 2, 3, 4, and 6 Shutters with or without mesh providing a minimum opening of 50% to a maximum of 66% in both Windows and Doors based on the configuration.

Advantages:

- It is a product well-suited for road facing balconies and terraces.
- It handles the wind load factor well
- It is an excellent addition to design values and sensibilities.



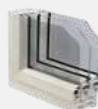
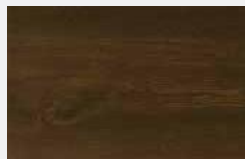
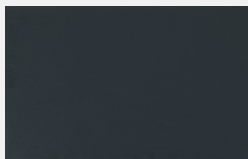
Laminated Wooden finish uPVC Doors & Windows

Our Laminated Profiles comes with a range of High Quality Wooden and Metallic finished Laminates sourced from the best manufacturers in the world.

Coupled with the state of art infrastructure for Lamination with the latest technology of PUR HOT MELT Lamination glue, Our Laminated Profiles comes with unparalleled performance and strength

Advantages:

- Aesthetically Pleasing.
- Low maintenance.
- Cost efficient.
- Termite and corrosion resistant.



Color Options

1. Metallic Grey
2. Golden Oak
3. Dark Oak
4. Walnut
5. German White

Quality Assurance

CERTIFIED BY

**Central Institute of Plastics
Engineering & Technology**

Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers,
Government of India



**Shriram Institute for
Industrial Research**

A Unit of Shriram Scientific and
Industrial Research Foundation



S.NO	NAME OF THE TEST	TEST METHOD	UNIT	RESULTS OBTAINED
1	Wall Thickness			
	a) Sight Surface	EN-12608 Clause	mm	2.68
	b) Non Sight Surface	5.3.2	mm	2.36
2	Resistance to Impact @ -10deg Celcius. Falling Mass 1000gms. Falling Height 1500 mm	EN-12608 Clause 5.6	-	No Failure was observed visually
3	Deviation from Straightness	EN-12608 Clause 5.3.4	mm	0.06
4	After Heat Aeging @ 150+2deg Celcius for 24th hours Visual appearance	EN-12608 Clause 5.7.0	-	No defects, cracks, peel off and delamination was observed visually
5	Weldability (Tensile Bending)	EN-12608 Clause 5.9	N	636.4
6	Resistance to Weathering (*UV Exposure)			
	a) Charpy Impact Strength (Un Notched)	EN-12608 Clause	Kj/m2	
	i) Before UV Exposure	5.9		103
	ii) After 120 Hours UV Exposure			89.07
	b) Colour Fastness after 120 hours Exposure			
	E		-	0.38
	B			0.03
	Grey Scale Reading	ISO-105-A04		4
7	Flexural Modulus	EN 12608 A.4.3	N/mm2	2425.6
8	Vicat Softening Point @ 5KG Load	A.4.3	C	77.4 Degrees
9	Flammability (Rate of Burning)	ASTM D 635	mm/min	The flame front does not reach 25mm reference mark (Self Extinguishing)
10	Thermal conductivity @55deg Celcius mean Temperature	ASTM E 1530	W/mk	0.117
11	Limiting oxygen index	ASTM D 2863	%	50.1
12	Water Absorption	ASTM D 570	%	0.04
13	Tensile Strength @50mm/min	ASTM D 638	Mpa	32
14	Elongation at Break	ASTM D 638	%	13.5
15	Chemical Resistance for 24 Hours at Room Temperature			
	a) With Concentrated HCL			No discolouration, no delamination and no deformation was observed
	b) With 10% aqueous solution of NaOH			No discolouration, no delamination and no deformation was observed
	c) With Acetone			No discolouration, no delamination and no deformation was observed.

Why SAC?

✓ **Customer Centric culture**

We put in our heart and soul in our products to create memorable experience and we emphasize on being a customer centric organization

✓ **Seamless transactional experience**

Our system are networked for efficient service support and timely available of products with minimal lead service times.

✓ **Design artistry**

We believe in bringing life to our product offerings and therefore design our products with architectural artistry to create unique appeal

✓ **Innovation with purpose**

We are relevantly innovating to introduce uPVC products to address contemporary needs of various market geographies across the nation

- ✓ **High Quality Products**
- ✓ **Timely Delivery & Commitment**
- ✓ **Manufacturing Facility**
- ✓ **Value for money Practical & Cost Effective service to clients**
- ✓ **Talented professional services department**
- ✓ **Customer Support**
- ✓ **10 Years Warranty**

Quality assurance is
the middle name of SAC

Certificates



CIDC

Established by the planning commission of India, CIDC is an engineering agency recommending the best-in-class products for the building and construction material industry in India for both Govt and Quasi Govt projects.



IGBC

Working relentlessly with a conscience and helping evolve the best green building products, we are a part of the Green Building Movement



ISO 9001:2015

Confirming to ISO, we are cultured to regular audits of our systems, processes and policies.



CIPET

Our products are certified by CIPET for resilience and performance successfully passing all the tests and parameters.



Our Strength

OUR EXPERTISE IN EACH SEGMENT IS UNMATCHABLE



Our growth is defined by
customer satisfaction

Regd. Office & Factory

#85, opp: Active Public School
Narayanreddy Circle, C K Palya
Hommadevanahalli, Gottigere
Bannerghatta Road, Bengaluru
560083

Email: sacpyramid.bts@gmail.com

Contact: 8496988559 / 9606523516



www.sacpyramid.com