



PROGRESSIVE WINDOW
SOLUTIONS THAT FUSE
ELEGANCE AND DURABILITY

ruby
DOORS & WINDOWS



ABOUT RUBY BUILDERS

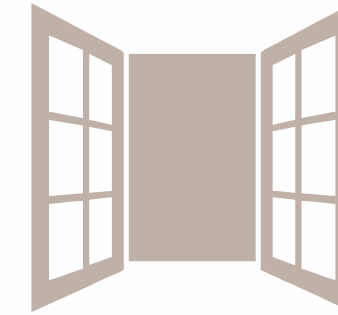
With more than 2 decades of presence in the Tamil Nadu real estate sector, Ruby is synonymous with quality construction and affordability in urban residential projects around the South Chennai region. Since its inception in 1997, the brand has achieved plenty of awards for their earnest commitment and contribution to the urban housing sector.

- | 3.5 million square feet living area
- | 185 + projects
- | 5000 + happy homes





RUBY – DOORS AND WINDOWS



Ruby uPVC - Window Systems is the latest feather in the Ruby cap. They are manufacturers of affordable international quality uPVC windows made from the reputed NCL-VEKA uPVC profiles. With a state-of-the-art setup at Tambaram, all latest accessories are provided with Ruby Doors & Window Systems, specially crafted to ensure style, ease of handling, safety, and security. Behind the brand is a committed team of highly experienced engineers who interact directly with architects, consultants, and builders to understand their specific requirements as per schedule.



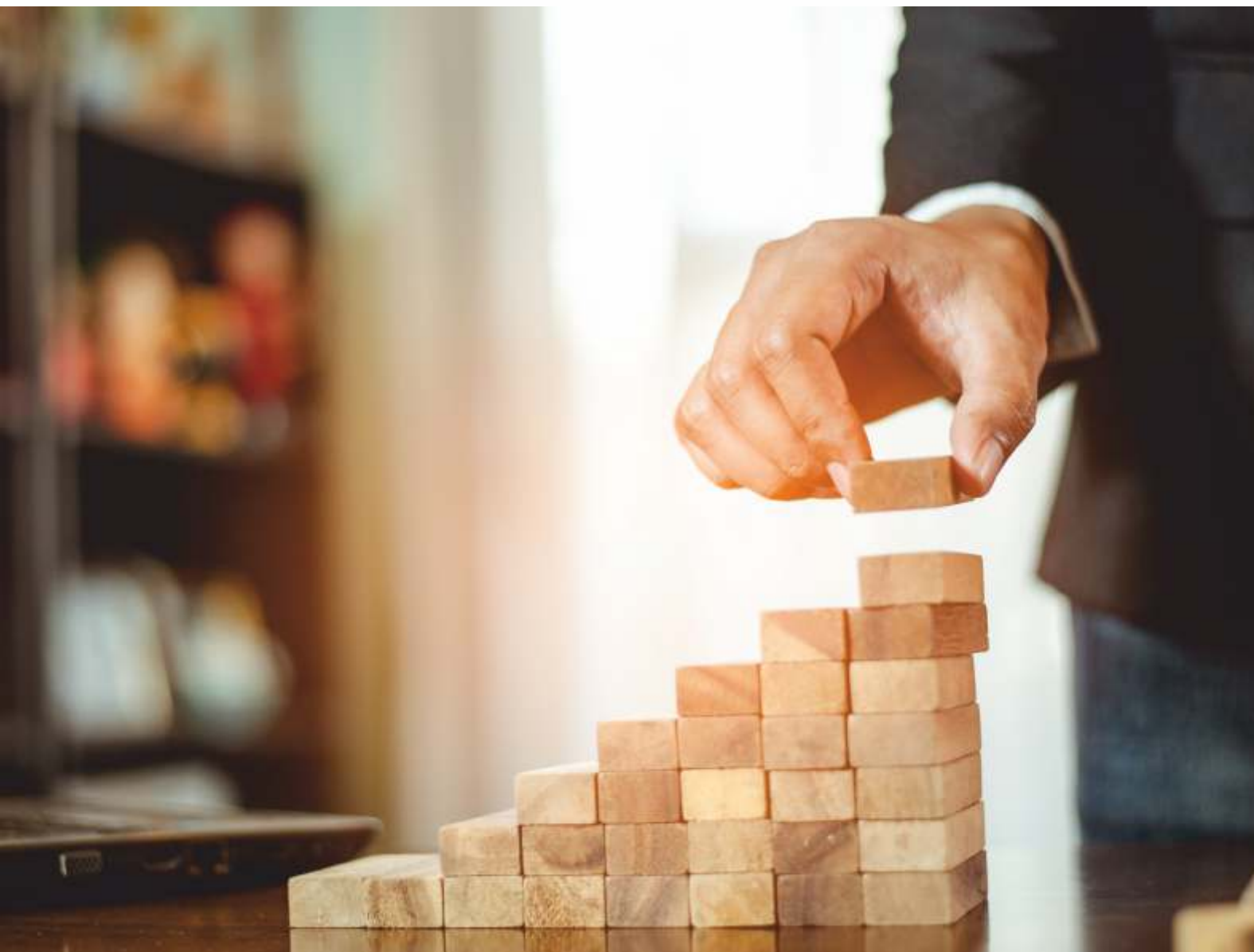
MISSION

- Committed to stay a customer-centric, quality-conscious team that believes in sustainability, continuous improvement, and transformation
- Adopting the latest technologies to create excellence in providing fenestration solutions to our clients



VISION

- Strive to become the provider for the perfect, ultimate, eco-friendly, durable, affordable and inventive fenestration solutions in South India
- Create value additions to our clients and stakeholders
- Continuous innovation and growth with keen attention to detail





WHY CHOOSE uPVC WINDOWS?



- Easy to clean
- Do not require painting, zero maintenance
- Not attacked by termites
- Do not rot or absorb moisture
- Self extinguishing
- No warping issues
- UV Resistant
- In-built special rain drain mechanism
- Elegant look
- Excellent sound insulations
- Less frame size, allowing more ventilation
- Superior strength and durability of a life time
- Light in weight like aluminium
- Free from joint permeability, thermal conductivity and chemical affinity



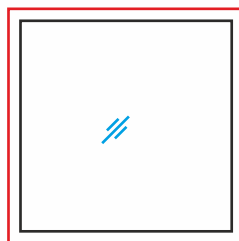
WHY RUBY –

DOORS & WINDOWS ?

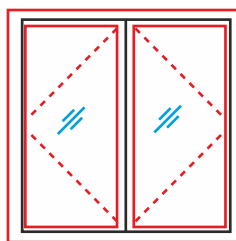
- Windows manufactured from world leader VEKA profiles brought to India by NCL Group
- Designed to suit the requirements and climatic conditions of our region
- Exhaustive range of designs fitted with standard durable accessories to suit your needs
- Inner chambers of uPVC sections reinforced using galvanized steel channels ensuring additional strength and improved holding strength for fasteners
- Least 'K' value so superior thermal insulation
- Inbuilt weather strips to ensure dust-proof and waterproof interiors
- Pricing & Economy - Ruby uPVC - Window Systems are the most economical and durable when compared to all alternatives owing to zero maintenance cost

AN ASSORTMENT OF DESIGNS TO MATCH YOUR NEEDS

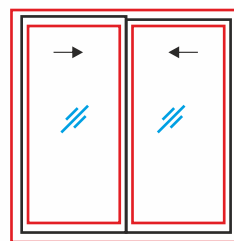
Make your homes stand out and choose from Ruby uPVC - Window Systems' wide range of designs that include casement window systems, sliders, combination windows, tilt and turn, top hung ventilators, bay windows, patio doors, casement doors, louvers, and French and Georgian windows. Coloured and wood grain laminated finishes also available on demand.



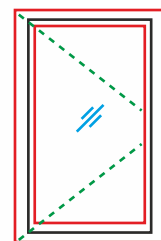
Fixed



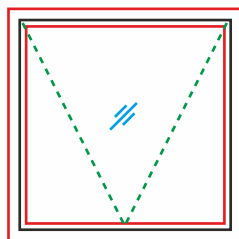
French Window



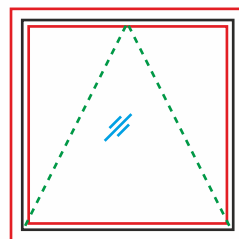
Sliding Window



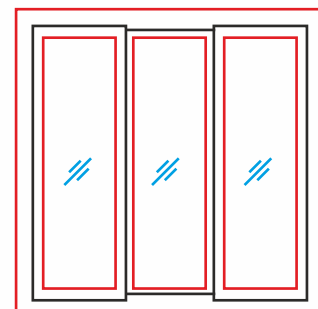
Right Inward Casement



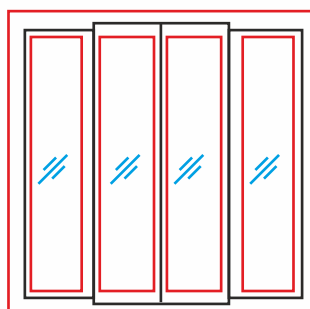
Bottom Hung Tilt In



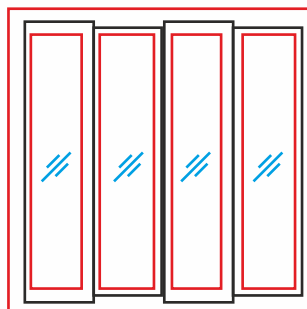
Top Hung Tilt In



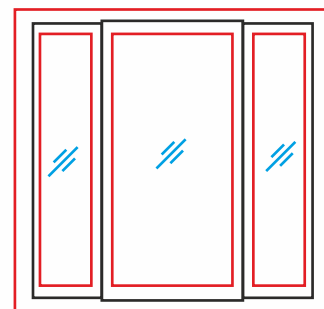
Horizontal Slider OXX



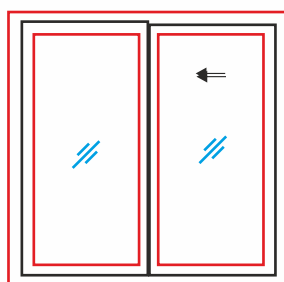
Horizontal Slider XOOX



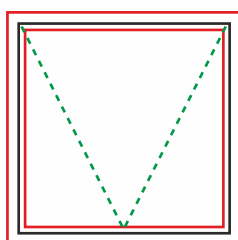
Horizontal Slider OXOX



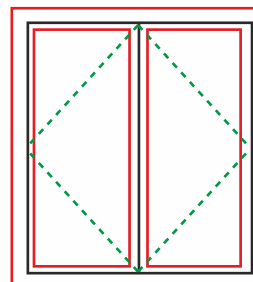
Horizontal Slider XOX



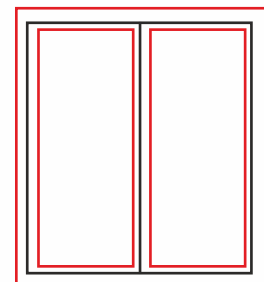
Horizontal Slider OX



Top Hung Tilt Out



French Door



Sliding Door

READY RECKONER OF TECHNICAL FEATURES OF UPVC VS ALTERNATIVES

S. No.	Governing Factor	Wood	Steel	Aluminium	uPVC with Steel
1	Dimensional Stability	*	***	***	****
2	Environmental Stress/ Crack Resistance	*	**	**	****
3	Basic Structural Strength/Modulus of Elasticity/Flexural Strength	**	****	**	****
4	Material Fatigue	**	****	***	****
5	Electromagnetic Shielding	****	***	**	***
6	Impact Resistance	***	****	**	****
7	Chemical Resistance	**	*	**	****
8	Fire Resistance	*	***	**	***
9	Thermal Transmittance Resistance	**	*	*	****
10	Sound Insulation	**	*	***	****
11	Air Tightness	*	*	*	****
12	Operational Easiness	*	*	**	****
13	Periodic Maintenance	*	*	*	****
14	Aesthetic Value	***	*	***	****
Ratings: Poor ** Good *** Very Good **** Excellent					

TECHNICAL DATA

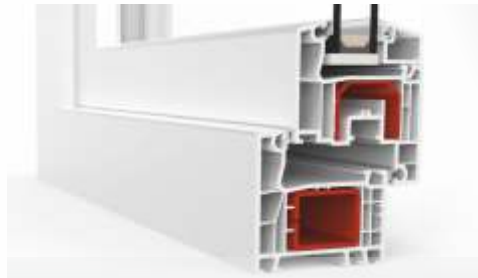
S. No.	Property	Standard	Unit	Result	Specified
1	Heat Ageing at 150 °C	EN 12608		No defects	No defects
2	Izod Impact Strength	ASTM D 256	Kj/M ²	42.50
3	Flexural Modulus	ASTM D 790	Mpa	2931.00	2200.00
4	Vicat Softening Point	ASTM D 1525	°C	82.75	75.02
5	Thermal Conductivity	ASTM E 1530	W/mK	0.13
6	Limited Oxygen Index	ASTM D 2863	%	44.20
7	Water Absorption	ASTM D 570	%	0.02
8	Compression Strength	ASTM D 695	KGF	122.40
9	Tensile Strength	ASTM D 638	MPa	40.70
10	Elongation at break	ASTM D 638	%	17.00
11	Density	ASTM D 792	g/cc	1.52
12	Charpy Impact Strength	EN 12608	Kj/M ²	97.00	10.00
13	Colour consistency ?E	EN 12608		0.36	= 5
14	Welding Strength (SS41201)	EN 12608	N	1789.00
15	Wall thickness external	EN 12608	mm	2.50	>2
16	Wall thickness non visible	EN 12608	mm	2.16	>2



SPECIFICATIONS

- Material: Un-Plasticised and high impact resistant rigid PVC extruded material
- Glazing: Single or multiple glazing as per customer preference fully insulated for noise reduction and thermal protection using special glazing gaskets
 - Inbuilt weather strips
 - Installation: Using metallic screws and special window dowels
 - Mounting of fittings: Via special screw channels or steel reinforcement
 - Reinforcement: uPVC sections reinforced with galvanised steel channels
- Joints: The corners of windows and doors are thermal fusion welded
- Colour and finish: White or laminated in wood grain finishes as per customer specifications, no painting required

FABRICATED WINDOWS



RUBY uPVC UNIT AND MACHINES



THE PLANET-CONSCIOUS CHOICE

The threat of global warming and climate change is looming large. As a way of giving back to the planet, we firmly back eco-friendly measures and alternatives in the construction and real estate sector. We understand the importance of sustainable living and leaving behind for our future generations. Hence, we are key in helping preserve our valuable forests.



FROM THE HOUSE OF RUBY

Ruby Landmark | Ruby Ananta | Ruby Shelter

Ruby Gateway | Ruby Star City | Ruby Regency

For correspondence & communications

Ruby Doors & Windows

No-19/1,20 Pulikoradu Village, West Tambaram, Chennai - 600045
Call: 78240 13560 / 78240 13570 / 78248 07588 / 044 3009 3009
Email - bdm@rubydoorsandwindows.in / Web: www.rubydoorsandwindows.in