



German PVC-U Windows & Door Systems



GREENPLAST INDIA aspires to be a leading provider of a wide range of custom-made engineered uPVC window and door solutions specializing in design, installation and excellent service.

Windows have long been used in buildings for day lighting and ventilation. Besides providing ventilation and access to natural light the window in today's world is also expected to provide protection from all weather conditions viz. monsoon, dust, wind, and also keep noise away. In today's world of **Green** Constructions it is but natural that windows are also looked at to contribute to saving energy and environment. Windows are an integral part of every building. More than just an opening to the outside world, a quality window system enhances an architectural facade as well as the interior design.

Moreover, a quality window system works to shield the contents of a building, protecting it from external elements. **GREENPLAST** INDIA understands the importance of a robust window system in adding to the aesthetic and functional values of a building.

GREENPLAST INDIA has now manufacturing modern age uPVC doors and windows by the name of Greenplast, specifically crafted for the Indian consumer.

THE NEW GENERATION WINDOWS & DOORS

Indian construction sector is growing leaps and bounds to cater to the demand from residential and commercial activities. With the approach to build sustainable constructions, Green building concept is growing very fast across the country.

Green buildings are designed to reduce the overall impact of the built environment on human health and the natural environment by using energy, water, and other resources efficiently and protecting occupants' health and improving productivity, reducing waste, pollution and environmental degradation.

Windows and Doors manufactured with uPVC, as a substitute, are best alternative for wood and aluminium because of their features like high structural strength, high energy efficient, lightweight, recyclable, termite proof, washable, dust proof, sound proof. corrosion and UV resistant.



WHY uPVC ?

FIT AND FORGET

Greenplast uPVC Window & Door Systems are for extraordinary conditions like in India which is becoming a country of extremes:



UV Resistance

Doors and windows retain original colour and do not fade due to sunlight.



Advanced Construction

Doors and Windows have fusion welded joints for perfect finish and durability unlike timber and aluminium.



Dust- and water-proofing

Trivial aspects such as the sealing are thoughtfully designed to achieve excellent air and water tightness in order to keep dust and rain water out of your home so your time is spent on more important things.



Sound insulation

Quality windows coupled with quality installation ensure sound insulation of the windows and doors. With Greenplast window systems and suitable glazing, sound insulation up to 40 dB is achievable. Highly suitable for hospitals, offices, hotels & other commercial & residential buildings.

WHY uPVC ?



Corrosion Resistance

Special formulated uPVC window systems are resistant to all atmospheric pollution including a range of acids & alkalis and it does not rust.



Maintenance Free

Occasional wipe down is all it requires to get back the luster and shine.



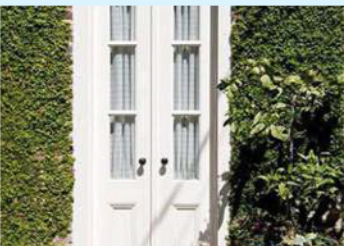
Fire Retardant

Greenplast door & window systems are made with highly fire resistance polymers that confirm to self extinguishing non spontaneous ignition characteristic.



Termite Resistant

Does not get affected by termites and other pests.



Ergonic Design

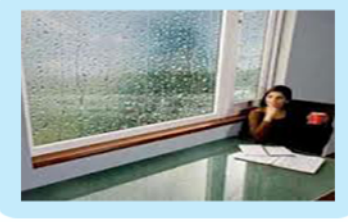
Easy to operate even for the old, the feeble, the infants and of course the delicate ladies.

ADVANTAGES



High Wind Load

Our window systems come with multi-chamber designed for optimal reinforcement. Together with a wide range of supplementary profiles, Greenplast windows are suitable for high wind load application and for high-rise buildings.



Weather Proof:

Greenplast doors & windows systems are made of polymers which practically do not absorb water thereby making it water resistant, in addition to these, systems are provided with drainage channels that prevent water collection, seepage and also special seals & co-extruded gaskets make it impervious to dust & wind.



Energy Efficient

uPVC profiles are good insulators and combined with insulated glass can save on electricity bills by reducing the running time of air conditioners and maintains the room temperature.

ADDING COLOURS TO THE WINDOWS:

Greenplast offers a range of aesthetically outstanding windows crafted to complement the grace and beauty of architectural design. They are available in various pleasing shades as well as a range of wood finishes on the inside.



Mahogany



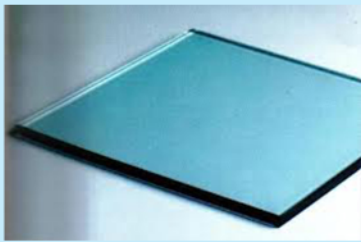
Walnut



Dark Oak

Glass Options

Glass should be selected on the basis of thermal insulation requirement (climatic condition), sound insulation requirement (surrounding environment condition) and safety requirement. Greenplast windows and doors can accommodate any type of glass as desired and required as per the clients requirements. Following are the type of glasses which can be selected.



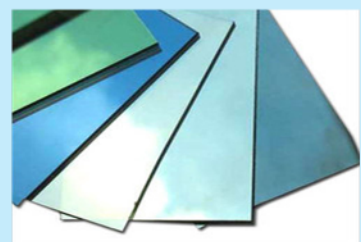
Float / Annealed Glass:

Annealed glass is the most common glass used in windows. Annealed glass is also known as a standard sheet of float glass. Standard float glass which is generally used in Windows where there is not much requirement of thermal / Sound / Safety.



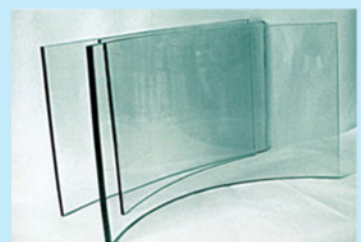
Tinted Glass:

These are standard float glass but pigmented in various colors in order to typically absorb solar radiation. Tinted glass takes care to a smaller extent of thermal insulation and to large extent of solar radiation.



Reflective Float Glass:

These are float glass with metallic coating thus helping to reflect back the solar radiation thus taking care of thermal insulation better than tinted glass and also solar radiation. Further since it reflects the light in the day time it ensures minimum visibility from the outside.



Tempered / Toughened Glass:

Toughened or tempered glass is a type of safety glass processed by controlled thermal or chemical treatments to increase its strength compared with normal glass. These are float glass which have been tempered under very high temperature, thus making them FIVE times stronger than the normal float glass.

Wood vs Aluminium vs uPVC Windows

Particulars	Wood	Aluminium	Greenplast uPVC Windows
Cost	High Cost	Low to Mild Cost	Suits all Budget Low to High
Corrosion	Termite & Rot Attacks	Corrosive	No Corrosion or Termite Attacks
Weather Proofing	Leaks & Droughts	Leaks, Droughts & Wind Rattle	No Leaks, No Droughts, No Rattle, Self- Draining
Sound Proofing	Average Subject to Wind Noise	Poor Subject to all noises	Excellent Sound Proofing
Ease of Operation	Difficult if not maintained	Not Smooth	Smooth/ Easy Gliding Action
Insect Screen	Optional	Optional or Included	Included with Sliding, Many options
Warranty	None	None	10 years
Termite Proof	Affected by termites, extreme un-repairable damages to wood	Affected by Fungi	No Harm
Water Resistance	Water Causes extreme un-repairable damages to wood	80% - 90 %	No Harm
Surface Quality	Requires regular up keeping	Anodizing wears out and Corrosion sets it.	The surface quality is maintained throughout its useful life.
Thermal Insulation	Fair	Poor being a metal it has a poor thermal insulation, and high thermal conductivity.	Very good, Heat losses are reduced due to wider profile depth & multi chamber section & Low K value.
Fire Properties	Poor	Excellent	Excellent
Maintenance	Require regular Painting & Polishing	Nil	Nil
Durability	Good	Good	Much stronger due to steel reinforcement profile.
Dimensional Accuracies	Fair	Poor, they are fabricated locally, hence poor quality and non uniformity	Excellent, they are factory produced on sophisticated machine hence offer uniform quality control.

Clientele



Power Grid Corporation of India



Ratan Housing Development Ltd.

An ISO 9001 : 2000 Certified Company



Flipkart



M.I. GROUP



FORTUNE

Member ITC's hotel group



GE T&D India Limited



NABARD



Uttar Pradesh State Road Transport Corporation

Contact Us



Greenplast windows and doors are a green product, since our manufacturing process is also aligned towards an eco-friendly approach as no effluent or noxious products are generated. They are lead free and thus non-toxic and harmless to children.

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