



GREEN'S WINDOWS

UPVC WPC PVC

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**Near Mary Matha School, Madurai Main Road, Theni - 625 531.
No. 235, Theni Main Road, (LF Road), Near Bajaj Showroom, Cumbum - 625 516.**

ALUMINIUM vs UPVC WINDOWS & DOORS

Maintenance Free

- UPVC windows and doors require no painting only routine cleaning.

- Aluminium windows and doors need painting over long periods of usage.

Durability Under Extreme Weather

- UPVC windows and doors have UV resistant blend. Do not fade under sustained exposure to sun.

- Aluminium windows and aluminium doors can start fading after sustained exposure to sun. Start looking ugly.

Monsoon Resistance

- UPVC windows and doors have a built in special rain drain mechanism. For heavy rain special rain track can be accommodated.

- Aluminium windows and doors allow rain water to come in due to poor insulation and installation.

Resistance to Wind

- UPVC windows and doors are multi chambered and reinforced with steel for heavy winds load they can be reinforced with a hurricane bar.

- Due to poor structural strength and insulation; aluminium windows and aluminium doors tend to rattle in face of strong winds leading to whistling.

Environment Impact

- UPVC windows and doors use less energy at the time of production hence more environment friendly.

- Aluminium windows and aluminium doors frames use large amount of energy in production not an environment friendly choice.

Aesthetics

- UPVC windows and doors have elegant looks enhances both the external and interior of the building.

- Aluminium windows and aluminium doors can look cold and out of proportion.

Energy Conservation

- UPVC windows and doors are poor conductor of heat they have excellent sealing with multiple point lock and fusion welded joints hence conserve.

- Aluminium windows and door (being metal) conduct heat energy. Poor sealing and imperfect installation leads to a lot of energy loss.

Sound Insulation

- UPVC windows and doors are fusion welded lock at multiple points and double sealed leading to excellent sound insulation.

- Aluminium windows and aluminium doors are poorly sealed with mechanical joints and poor installed leading to poor sound insulation.



WHAT IS UPVC - UNPLASTICIZED

PVC is used to produce a wide variety of end products which may be Flexible, semi-rigid, transparent, translucent, opaque, matt, glossy, fire resistant, weather resistant etc. To achieve this, additives (micro ingredients) are added in defined proportion depending upon application of end product. This is called compounding / blending. By adding some pre-defined additives to PVC resin a rigid compound is produced for window & door profiles- UPVC.

U PVC is an abbreviation for the chemical name 'unplasticised Poly Vinyl Chloride. U-PVC, also known as rigid PVC, is extensively used in the building industry as a low maintenance material, and sills. U-PVC is known as having strong resistance against chemicals, sunlight, and oxidation from water.



UPVC v/s Wooden Windows

People often consider wood doors and windows to be better than other types of doors and windows. This is not accurate. A wood door actually fares poorly in almost every important criterion that a homeowner would consider. CLIC UPVC Windows and Doors are made from a special blend of UPVC and have many benefits over Aluminum, Steel and Wood Doors and Windows. Please see the comparison table below to find out how a UPVC door or window from CLIC UPVC scores over a wood door or window.

UPVC

Wooden windows

Maintenance

UPVC windows and doors requires no painting; only routine cleaning.

Wooden windows need regular Painting/ polishing.

Durability under Extreme Weather

UPVC windows and doors have UV resistant blend do not fade under sustained exposure to sun.

Wooden windows and wooden doors start fading very soon; require constant re polishing.

Monsoon Resistance

UPVC windows and doors have a built in special rain drain mechanism. For heavy rains; special rain track can be accommodated.

Wooden windows tend to rot or expand during monsoons. Poor insulation allows water to flow inside.

Resistance to Wind

UPVC windows and doors are multi chambered and reinforced with steel. For heavy wind loads ; they can be reinforced with a hurricane bar.

Wooden windows and doors tend to rattle in face of strong winds leading to whistling sounds.

Environmental Impact

UPVC windows and doors use less energy at the time of production; hence more environment friendly.

Wooden windows and doors use Tropical Hardwoods Are Ecologically Unsound.

Aesthetics

UPVC windows and doors have elegant looks; enhances both; the exteriors and interiors of the building.

Wooden windows and doors Look Good.

Energy Conservation

UPVC windows and doors are poor conductors of heat. They have excellent sealing with multiple point locks and fusion welded joints; hence conserve energy.

Wood is a poor conductor of heat; hence wooden windows and wooden doors conserve more energy than aluminums windows and doors.

Sound Insulation

UPVC Windows and doors are fusion welded, lock at multiple points and double sealed leading to excellent sound insulation.

Wooden windows and wooden doors are poorly engineered and poorly sealed; hence provide poor sound insulation.

Termite resistance

UPVC windows and doors are not prone to termites.

Wooden windows and wooden doors are prone to termites.

Sunlight

UPVC windows and doors are steel reinforced; hence structurally strong. They allow large sizes leading to more sunlight.

Wooden windows and wooden doors Have poor structural strength; hence require more members; limiting the amount of sunlight.

UPVC v/s Wooden Windows

UPVC

Wooden windows

Addition to value of home

UPVC windows and doors have a long life and do not require any maintenance. Hence they add to the long term value of the home.

Wooden windows and wooden doors tend to deteriorate with time; hence do not add to long term value of home.

Ventilation

UPVC windows and doors have a long are structurally strong and require less frames allowing more ventilation.

Wooden windows and wooden doors tend to have more frames; hence leaving lesser area for ventilation.

Ease of use

UPVC windows and doors use international quality hardware that allows easy use of windows.

Wooden windows and wooden doors have poor quality hardware which does not last long; leading to difficult usage experience.

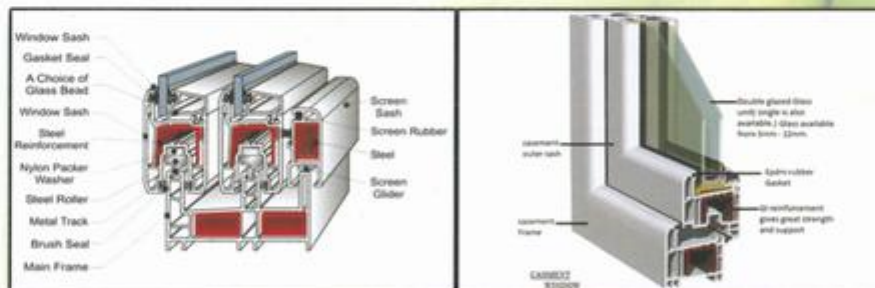
MULTIPLE COLOR AND FINISHING OPTIONS



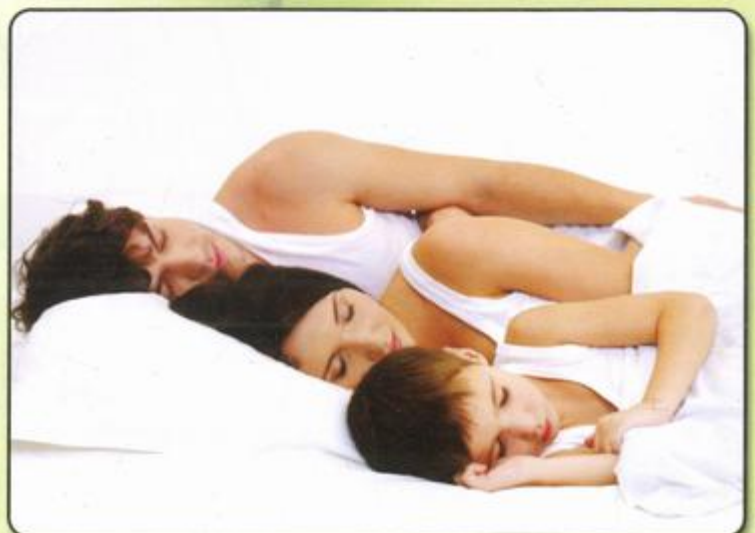
Outstanding
Color
Fastness
and Gloss
Stability

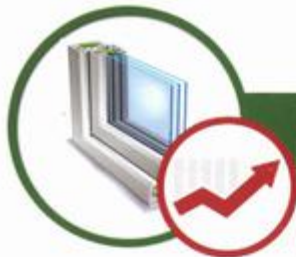
High Level
Strength and
Security

Maintenance
free



Noise Contoral





Thermal Insulation and Energy Efficient

UPVC window and door profile has a low thermal conductive, which can reduce the Loss of energy. They are designed with multi- Chambers Which also reduce the transmission of heat.



Corrosion Resistance

UPVC Window and door profile is free from the attack of acids, alkalis waster gases and salts.



Sound Insulation

The multi- chambers, Welded corners and tight seals offer excellent sound insulation



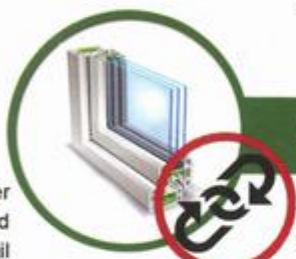
Fire Resistance

UPVC material used in windows and door are difficult to ignite and do not support or enhance accidental fires unlike their timber counterparts



Water Tightness

UPVC Window and door profile absorbs water below 0.1 % Moreover the Uniquely designed weep hole and weather strip in the meeting rail provide water resistance proof



Strength and Security

ALL main UPVC profiles are reinforced with still, providing high level



Weather Resistance

UPVC windows and doors are exposed in scorching sun, storms, dryness, high humidity or other extreme weather change. they do not rot, corrode nor warp . Even after many years, the windows and doors are still attractive, perfectly tight and working well.



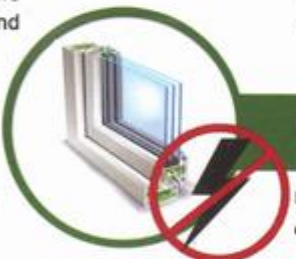
Maintenance free

The closed smooth surface of UPVC profiles ensures ease of clean by using gentle household detergent dissolved in water. They are also available with a foil coating in different colors, so you do not need to paint it.



Environmental Friendly

UPVC windows and door can be fully recycled.






Electricity Insulation

UPVC windows and doors profile has high electricity insulation



SOUND INSULATION TABLE

Location And Noise Pollution Level	Recommended Max Noise Level	Recommended Soundproofing Level of Window	Noise Protection Class
Residential Area about 60dB 	Sleeping 25 -30 dB	30dB	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 75dB 	Sleeping 25 -30 dB	47 dB	5
	Housing 30 - 35 dB	43 dB	4
	Working 35 - 50 dB	30 dB	2



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