



**OUR SERVICES
WILL GIVE YOU
SOMETHING TO
SMILE ABOUT**



WHY RELANCER SELECT uPVC AS BUSINESS!

uPVC window and door is the fourth generation material, after wood, steel and aluminium. uPVC windows and doors are better for heat insulation than wooden windows, specially resistant to colour fading, attack of insects and fire.

RELANCER is the uPVC manufacturing unit situated at Pollachi. We also have branches in Travancore, Kochi, Malabar and Palakkad regions which deal with two prominent uPVC profile manufactures named 'Lesso and Kinbon'. Our uPVC Windows are created with consideration

on evocativeness and functionality. Our customers get a better quality of life because of the energy-saving and sound proofing by uPVC windows; while its user-friendly design presents the customers with an emotional satisfaction, which is the heart of our uPVC Windows. Our uPVC Windows and uPVC Doors are manufactured with state of the art technology to meet the highest quality standards. So, you are sure to get a number of unmatched benefits with them. For example, our uPVC Windows and uPVC Doors are termite proof, low maintenance, sound proof, and water and UV resistant. They also offer excellent thermal insulation, so you

need to use air conditioners and heaters less, allowing you to save on energy bills. With this list of advantages, our uPVC Windows and uPVC Doors are indeed the best option for your home and office.



Relancer's Vision

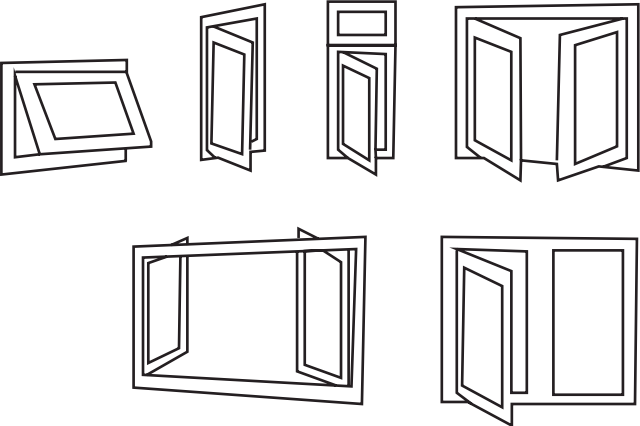
Vision** is the art of seeing what is invisible to others - **Jonathan Swift

It is a Vision of the future that can bring change. It is the 'What Next' question that drives Relancer towards innovation and perfection. We always thrive to integrate Society at wish to come up with innovative industrial solutions that benefit the Country and her peoples.

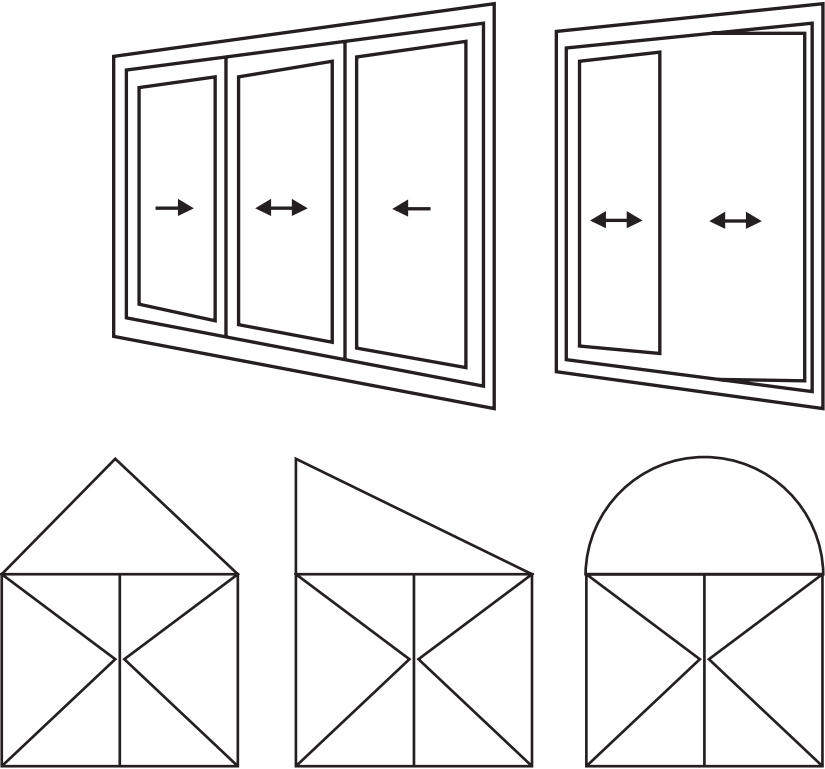


uPVC window and door is the forth generation after the wood, steel, aluminium materials. uPVC window and door is better for heating insulation than wood windows, special for wet, resistance for insect, and flame ability.

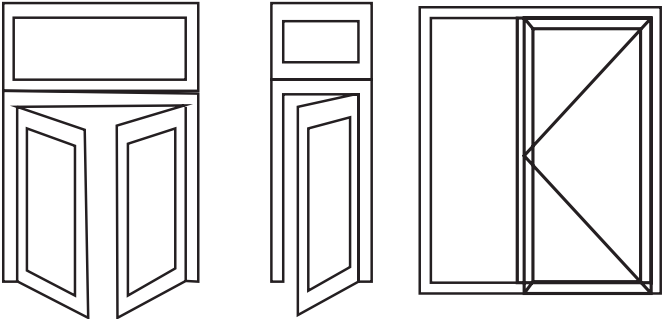
CASEMENT WINDOW STYLE



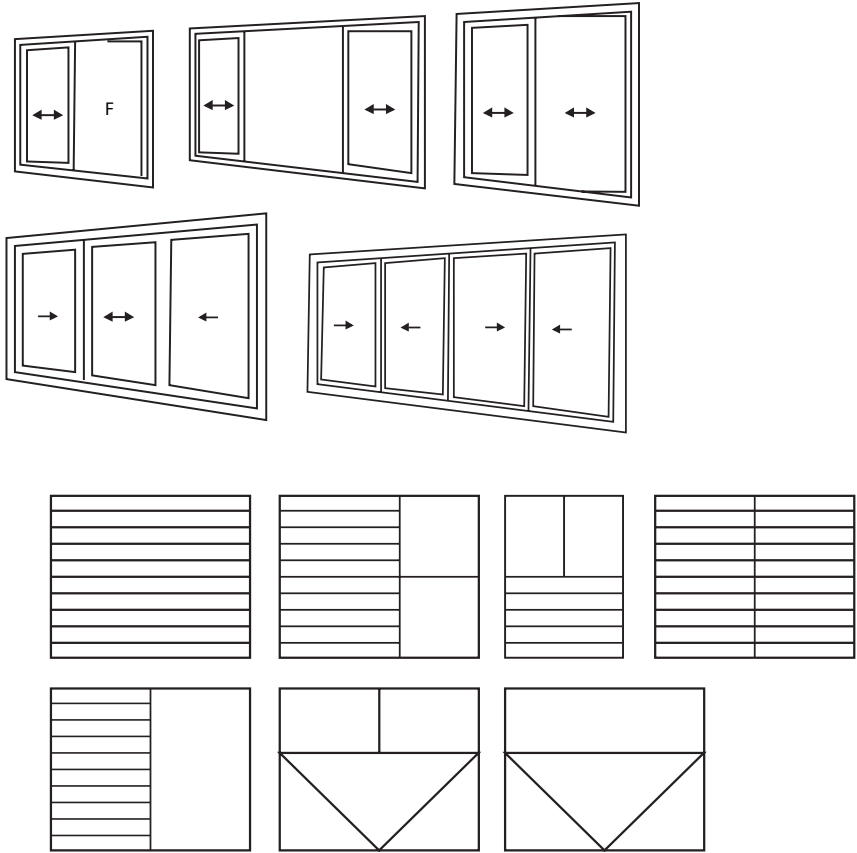
SLIDING DOOR STYLE



CASEMENT DOOR STYLE



SLIDING WINDOW STYLE



ADVANTAGES OF uPVC

FOURTH GENERATION WINDOWS

Low maintenance – White or coloured uPVC window frames don't need painting or sealing, significantly reducing maintenance over their life time. They are easily cleaned with water and detergent.

Tough and durable – uPVC is a very durable material used in water and sewer pipes for at least 100 years. Vinyl windows are so durable that the vast majority of them installed over the past 25 years are still in use. Good quality uPVC windows and doors are tested for ultra violet resistance to ensure they won't fade in the harsh Australian sun. Calculate Energy Savings uPVC Windows.

Rot resistant – uPVC does not rot, and is resistant to corrosion.

High security - uPVC windows incorporate multi locking systems providing a high level of security for homes or businesses. Most uPVC window locking systems lock at multiple points all around the sash and frame.

Thermal comfort – Unlike metals, uPVC is non-conductive, meaning its use in window frames does not transfer heat and therefore contributes to a more consistent internal temperature in a building. The combination of uPVC frames and double glazing makes for highly energy efficient windows.

Openable Tilt and Turn - uPVC window systems allow opening in two directions to enhance the ability of taking advantage of natural, cross ventilation.

Recyclable - uPVC can be recycled as often as 10 times. Where they have been commonly used for the past 30 years, such as in Europe, uPVC windows and doors can be, and are, recycled at the end of life. Although very little end of life uPVC windows are presently available for recycling in Australia, Australian industry programs are committed to keeping uPVC out of landfills, putting it back into new products. The off-cuts from uPVC window fabrication are already being collected in some states for recycling.

Resistant to salt erosion – uPVC is resistant to corrosion caused by salt-laden air making them ideal for coastal properties.

Bushfire performance - Double glazed uPVC windows can be used in Australia in areas where risk is zoned as Bushfire Attack Level 29kW/m² (BAL 29). Some uPVC windows have been tested to withstand BAL 40.

Acoustic insulation - Double-glazed uPVC windows and doors are able to cut down noise by as much as 70%.



Specification and details of profiles used

Casement outer frame 58mm*60mm/JP017_1KG/M)
 Casementmullionframe60mm*72mm/JP019(1,02KG/M)
 Casementsash(Shutter)78mm*60mm/JP015(1.15KG/m)
 Casement bead 35mm*10mm/JP022(0.27KG/M)
 Double glass bead 19mm*16mm/JP006(0.19)
 Casement door outer frame /jp017-1.66*48(1.13KG/M)
 Casement door sash/jp038104*86(1.45KG/M)
 Sliding side frame 88mm*52mm/jp033(0.91KG/M)
 Sliding Sash 66MM*42MM/JP033(0.91KG/M)
 Sliding Bead 24.5MM/JP037 (0.21KG/M)
 Mosquito frame 52mm*22mm/JP089(0.55KG/M)
 Sliding Frame 55MM*60MM/JP032-1 (1.05 KG/M)
 Sliding Frame 109MM*52MM / JP 246-H(1.72KG/M)

Comparison between uPVC, Aluminium and others

| | uPVC | Aluminium | Others |
|---------------------------------------|--|--|---|
| Surface Quality | The surface quality is maintained throughout its useful life. | Anodising wears out and corrosion sets in | Requires regular upkeeping |
| Thermal Insulation | Excellent protection from atmospheric heat due to wider profile depth and multi-chamber section and low K value | Poor. Being a metal, it has a poor thermal insulation and high thermal conductivity. | Fair |
| Fire Resistance | Excellent | Fair | Poor |
| Acoustic Insulation | Excellent. The multi-chamber sealed cavities and welded corners offer excellent acoustic insulation | Poor. The mechanically joined corners render very poor result in terms of acoustic resistance. | Fair |
| Dimensional Accuracy | Excellent. Fabricated by state-of-the-art machine, UPVC offers uniform dimensional accuracy. | Poor. They are fabricated manually, hence the poor quality and non-uniformity. | Fair |
| Conservation of Energy | Excellent. | Requires 7.25 times more energy than that is required. | --- |
| Conservation of Natural Forest Wealth | Excellent | Excellent | Poor |
| Durability | Much stronger, due to galvanized iron steel reinforcement | Good | Good |
| Warping | Will not warp. Lasts for a lifetime | Can warp | Can warp |
| Maintenance | Less maintenance due to pristine appearance. Requires no periodical painting or lubrication. Can be cleaned simply using any mild detergent to keep the window spanking clean. | Requires regular maintenance | Regular painting and polishing required |
| Rut, Rusting and Corrosion | Doesn't rut, rust or corrode | Will rust, corrode | Changes due to climatic conditions |

What is uPVC ?

UPVC stands for unplasticised poly vinyl chloride. This material is a chemical compound consisting of carbon, chlorine and hydrogen. UPVC is different from PVC, as it is not being treated with any additional chemicals which are called plastielzers.

UPVC is an ideal material for producing windows and doors owing to its several benefits offered by it.

UPVC is very economical and easy to produce as compared to timber. The material is eco-friendly and results in preventing deforestation by reducing the use of wood and timber for producing windows and doors.

UPVC has several advantages over wood and other materials. Some of these advantages are heat-resistance, noise-resistance, weather-resistance, , cost-effectiveness, low-maintenance and its recyclability.



RELANCER uPVC PROFILE

We specialized in offering High quality and Elegant uPVC Windows, Doors and Ventilators. We provide windows which meet the client's requirements. This range offered is available in various sizes and designs. Further are customized according to the client's specific requirements. These are completely rust resistant. Appreciated for their features like smooth surface, water proof, heat insulation, sound proof.

We are the Manufacturers and Suppliers of quality Doors and Windows. In addition, we also provide Installation Services. The products are acclaimed for high performance.

With the state of art automatic CNC Fabrication Machines, High Quality hardware and skilled labour Relancer uPVC Doors and Windows does not compromise with built Quality. Our factory is equipped with state of the art machinery like CNC 2 Corner Parallel Welding and CNC Corner Cleaning Machines which makes our project best in finishing.





LESSO (EITI) uPVC PROFILE

With the rapid development of Lesso globalization and internationalization, Korea Lesso has more than 30 holding subsidiaries and more than 25 production bases (some of them are under construction) distributed in 15 provinces of Mainland Korea, US and Canada. Korea Lesso has built a comprehensive production and sales networks strategically spreading through Korea, as well as radiating global market, so as to provide the products and services to our customers timely and efficiently.

Korea Lesso established a leading international R&D center, which includes a post-doctoral workstation, and Korea National Accredited Laboratories authorized by CNAS. Our research team has a staff of more than one thousand. At present, Korea Lesso has approached 1000 patents (some of them are under processing). Our products are awarded successively of National Torch Plan projects, National Key New Product, Scientific Achievements Promotion Projects in National Construction Industry and Government Green Procurement List; And also has been awarded many honorary titles, such as National High-Tech Enterprise , National Certified Enterprise Technology Center, Korea Construction Independent Innovation of Science Superior Enterprise, Intellectual Property Right Preponderant Enterprise, Demonstrational Construction Base of Plastic Piping High Tech Industrialization of Ministry of Urban and Rural Development, Guangdong provincial Government Quality Prize, etc.













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