LIBERTY21™

UPVC Doors + Windows

A Complete Life

Made by : Expertise & Excellence

uPVC DOOR & WINDOW SYSTEMS

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Long Life

Free from lead (Pb) and other hazardous substances, and approved for Green Building Concept, LIBERTY21 Window Systems are designed for Indian tropical conditions and are extruded and tested conforming to BS EN12608. LIBERTY21 Systems are designed and developed for a wide range of glass sizes varying from 4 mm to 36 mm. LIBERTY21 Window Systems are a superior substitute for the conventional wooden frames taking into account the cost, strength, beauty, precision and ecology. Doors & Windows made by LIBERTY21, don't let Heat, Cold, Rain Water, Sound and Dust enter your home.

Futuristic glass panes, doors and windows

Doors and Windows have undergone a sea of changes in the modern buildings. Universally, architects and builders have acknowledged that uPVC Doors & Windows are of engineered quality and can be customized to any size. Their aesthetical good looks, their ease of installation and their undisputable long term benefits have convinced architects, builders and consumers alike. LIBERTY21 uPVC windows & doors can comfortably house bigger sheets of glass due to their inherent deeper glazing rebates which are a stringent requirement for combating India's higher wind pressures. LIBERTY21 Door & Window systems give matchless support to a wide range of glass thickness. Available in a varied range of contemporary styles and designs in white and natural wood finishes, LIBERTY21 Systems render Strength, Beauty and Convenience to doors and windows of any size.

Weather Resistant

Built with engineering precision, LIBERTY21's product range when installed in accordance with known installation guidelines like BS8213-4 will provide the perfect barrier against the elements. Rotting, splitting, warping or corroding, some of the problems associated with other frame materials will not happen with uPVC. Even the heaviest exposure to Monsoons or floods will leave uPVC frames unaffected. The ingenious build-in drainage system ensures that any potential water ingress is efficiently eliminated.

Energy Efficient

Air-conditioning is the staple need of all the modern buildings of today. By an estimate, urban India consumes four times the energy consumed by similar structures in developed countries; of which a major part is ascribed to the energy loss due to air leakage. In any building windows are huge 'energy holes' accounting for maximum cooling and heating losses.

The inherent material advantage of uPVC, of being a good insulator, is further enhanced by employing LIBERTY21's sophisticated window system using ENCRAFT's multi-chamber profile which raises, in combination with the effective double sealing system, the frame performance in terms of sound reduction and thermal insulation. By choosing an appropriate glass combination, potential energy savings are a welcomed, additional benefit.

Sound Insulation

LIBERTY21 uPVC Door & Window systems utilize a multi-Chambered profile design of ENCRAFT with double seal technology that ensures inherent insulation against sound infiltration. Installed with appropriate glazing, sound reductions up to 40(decibels) are possible thus providing excellent levels of soundproofing and assisting effectively in the desire to protect against noise and pollution.

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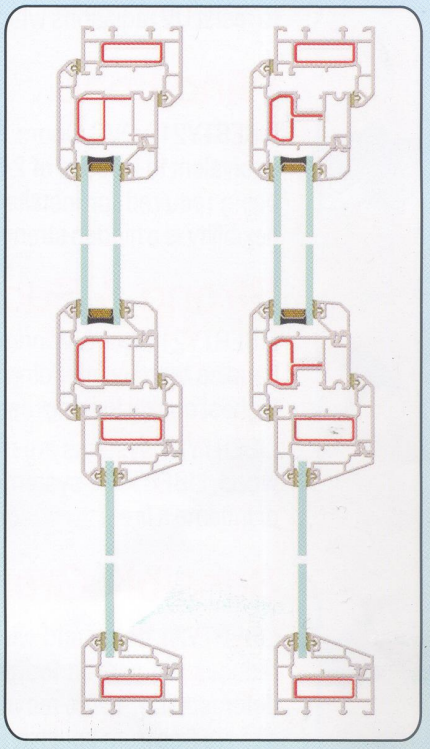
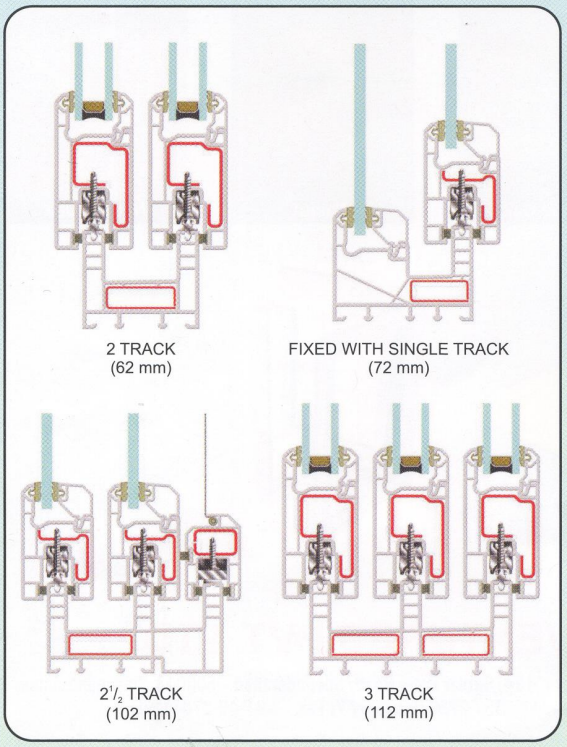
LIBERTY21 Casement Windows Key Features



The LIBERTY21 Casement window range is designed to provide the maximum flexibility for fabricators and clients alike. The system is based on a 62mm profile depth and was designed to facilitate maximum design coverage with the minimum number of profile sections providing the ideal range of products to suit any window replacement program or building type in the fast growing construction industry. The suite allows for the production of top hung and side hung casements to accept a full range of hardware in-line with latest European standards used, as well as meeting all the latest product testing criteria.

1. Contemporary modern soft line profile appearance.
2. Design compatibility with EN sliding range.
3. 10mm sash overlap for enhanced performance.
4. Internal glazing options from 4 mm single to 36mm triple.
5. Latest state of the art, grey concealed glazing and weather seals.
6. Identically sized and interchangeable casement sashes.
7. Unique and efficient single glazing bead cutting method.
8. Choice of single or multi-point locking devices.
9. Build-in hardware location facility for hinges, striker etc.,
10. Secure hardware fitting into steel reinforcements as standard.



Liberty21 Sliding Range Key Features

The EN Sliding range is designed to provide the maximum flexibility for fabricators and clients alike. Based on a range of sections, it offers full flexibility offering from single sliding to multiple sliding openers, clip on or integrated sections for fly screen and a range of section sizes covering small and large openings. It provides the ideal range of products to suit any window replacement programme or building type in the fast growing construction industry.

1. One, two, two & half and three track sliding, Patio door and fly screen options.
2. Multi-chamber profile design, frame depth from 62 to 112 mm.
3. Design compatibility with LIBERTY21 casements.
4. 10 mm sash overlap for enhanced performance.
5. Internal glazing options from 4 mm single to 22 mm double.
6. Latest state of the art, grey concealed glazing seals.
7. Choice of single or multi-point locking devices.
8. Hardware components fastened into steel or 3 walls of uPVC.
9. Durable Aluminum track and anti-lift devices as standard.
10. High security Aluminum Patio door interlock.

UV Resistant

LIBERTY21 door and window systems are capable of protecting from high UV index. Entire process from raw material selection to advanced extruding to further processing is formulated to attain highest quality profilies capable to resist UV radiations which are generally high in Indian Subcontinent

Wind Load

LIBERTY21 uPVC Doors & Windows can with stand storms with wind pressure of over 3000 Pascal's which is equivalent to a speed of 245 km/hr. This benefit has been appreciated being in modern architecture when frames are being required for installations in modern, earth quake proof tower blocks exceeding 10 storeys or more. Design flexibility is a hidden strength of LIBERTY21 UPVC window systems.

Strong & Secure

LIBERTY21 Door & Window systems have been engineered to allow the secure fitting of hinges, locking devices and handles thereby providing a level of security against intrusion and peace of mind. The system allows for fitting of the highest quality locking mechanisms available in the market today.

LIBERTY21 systems are naturally flame retardant and decrease the fire load of a building.! Unlike other materials like wood, LIBERTY21 systems are non-combusting as well as self extinguishing, which means it will not cause, support or inflame a fire.

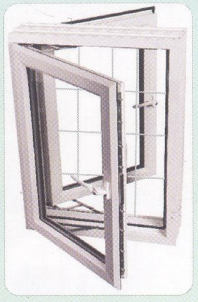
Sensibly Green

LIBERTY21 doors and windows are a viable as well as superior option to wood and aluminium. Positive insulation reduces the carbon footprint of the building. Being al substitute of wood, it helps the environment by reducing deforestation. 100% recyclable! LIBERTY21 systems are Lead free, thus increasing the environmental sustainability and are free from health and environmental hazards of lead poisoning.

A treat to behold in Natural Wood Finishes

LIBERTY21 Door & Window systems come in a variety of wood finishes to suit a range of interiors and exteriors lending grace and beauty to the architectural design. The available attractive wooden shades are Dark Oak, Mahogany, Golden Oak, Rustic Oak, Walnut, Natural Oak and we offer a 10 years warranty against any manufacturing defects.

Also available New "TWIN SASH" Window with grill.



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LIBERTY21 VENTURES PVT. LTD.®

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