

# **Residential UPVC Doors & Windows Market – Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Product Type (UPVC Doors and UPVC Windows), By Distribution Channel (Offline Stores and Online Stores) By Region, Competition 2018-2028**

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## **Abstracts**

Global Residential UPVC Doors & Windows Market has valued at USD 8.5 Billion in 2022 and is anticipated to project robust growth in the forecast period with a CAGR of 4.20% through 2028. The global uPVC (unplasticized polyvinyl chloride) doors and windows market refers to the industry that manufactures, sells, and distributes doors and windows made from uPVC material. uPVC is a type of plastic that is rigid and does not contain plasticizers, making it a suitable material for construction applications due to its durability, energy efficiency, and low maintenance requirements. uPVC doors and windows are commonly used in residential, commercial, and industrial buildings for their insulation properties, weather resistance, and aesthetic appeal. uPVC doors and windows are designed to withstand various environmental conditions, including extreme temperatures, moisture, and UV radiation. They offer several advantages over traditional materials like wood or aluminum, including: Energy Efficiency: uPVC doors and windows have excellent insulation properties, helping to reduce heat transfer and maintain indoor temperatures, which can lead to energy savings. Durability: uPVC is highly durable and resistant to corrosion, rotting, and warping, ensuring a longer lifespan compared to other materials. Low Maintenance: uPVC requires minimal maintenance as it does not require painting, staining, or sealing. It can be easily cleaned with water and mild soap. Weather Resistance: uPVC doors and windows can withstand harsh weather conditions, including rain, wind, and sunlight, without deteriorating. Sound Insulation: uPVC has good soundproofing properties, helping to

reduce outside noise and creating a quieter indoor environment. Aesthetics: uPVC doors and windows come in various styles, designs, and colors, allowing for customization to match the architectural aesthetics of different buildings.

### Key Market Drivers

Increasing consumer spending on the construction and renovation of Residential and residential buildings may drive the Indian Residential UPVC Doors & Windows Market growth. Improving consumer awareness of the benefits of UPVC products, fast urbanization, substantial movement of working-class people to cities, as well as a rise in residential units all contributed to the industry's continuous expansion. The present Indian window and door (all material) industry is worth roughly INR 14,000-15,000 crore (USD 1695.8- 1817 Million), with uPVC window and door profiles accounting for about 8-10% of the market.

Between April 2000 to September 2022, India's construction development sector (townships, housing, built-up infrastructure, and construction development projects) and construction (infrastructure) activities reached USD 26.24 billion and USD 28.96 billion, respectively. Since, construction sector is growing rapidly in the future, hence huge number of Residential UPVC Doors & Windows are use in infrastructure development, due to which market of India Residential UPVC Doors & Windows is anticipated to grow with a high CAGR in the forecast period.

### Smart City Construction in the Nation

The market is predictable to expand synergistically in the mid-long term due to numerous other driving aspects, including the lack of household units in the country, the fundamental government's initiatives to grow affordable housing for all by 2022, and the construction of various smart metropolises city across the nation. For instance, The Pradhan Mantri Awaas Yojana-Gramin (PMAY-G) is a social welfare initiative in India that aims to provide 'Housing for Everyone by 2022.' The program's goal is to offer permanent homes with basic amenities to all houseless households as well as those living in temporary or decrepit dwellings in rural regions.

Urbanization, smart city construction, changing lifestyles owing to the increasing middle-class population, and FDI in Indian firms are just a few of the causes driving the development of innovative building technologies and materials. One such construction material that has grown in popularity as a replacement for other traditional materials is UPVC (unplasticized polyvinyl chloride).

It prevents condensation, which also eliminates thermal bridging, and this material grade never flakes, fades, pits, peels, peels, rusts, or corrodes. The only thing it requires for maintenance is a check of the seal and a mild soapy wash. UPVC is cheap and has features like as excellent rigidity, aesthetic appearance, and flame retardancy. As the residue of vinyl chloride is limited, UPVC is FDA compliant and suited for transparent applications. It is also more chemical resistant than flexible PVC.

UPVC requires less maintenance and is an efficient material for manufacturing windows and doors. Due to the numerous advantages that uPVC provides, the industry has seen an increase in demand for UPVC windows and doors in recent years. UPVC windows and doors offer effective thermal insulation and contribute to energy conservation. Furthermore, with correctly built windows and installations, UPVC windows provide great sound insulation. Due to which market is expected to grow with the high CAGR in the forecast period.

#### Affordable Housing & Rising Real Estate Construction

Affordable housing is in scarce supply in India's rapidly growing cities. Now, the country is short 18 million homes, 15 million of which are needed for low-income households earning less than 16,000 Indian Rupees (USD 250) each month. The UPVC material is recyclable, offers UV protection, sound insulation, salinity resistance, and impact resistance, and has various additional Residential applications. Since unplasticized PVC does not include any extra additive material during manufacture, it needs less energy to produce. Hence, in India people are adopting uPVC doors and windows.

According to Savills India, data center real estate demand is predicted to expand by 15-18 million square feet by 2025. By 2023, organized retail real estate stock is predicted to rise by 28% to 82 million square feet. Demand for doors and windows has grown due to greater urbanization and rising household income. India is one of the top ten fastest-growing housing markets in the world. As a result, substantial residential unit construction is necessary to fulfil the housing sector's demand. The residential sector has enormous potential for UPVC door and window growth and adoption.

#### Government Initiatives Towards Smart City Program

Additionally, the Government of India launched a programme in 2015 to build 100 smart cities by FY 2020. Smart cities prioritise public safety, energy conservation, and environmental friendliness. Due to its high compliance in high-rise structures and

aesthetic features, UPVC doors and windows are more likely to emerge as the preferred fenestration choice over conventional aluminum and timber equivalents. The federal government's announcement of 100 smart cities, expansion in infrastructure owing to massive investment by both governments in India, and an increase in FDI all indicate that the UPVC window and door industry could have additional chances and expand at a decent discount. Also, a few infrastructure development projects will be completed in these locations, which may offer further impetus to the sector between 2024 and 2028.

### Key Market Challenges

Despite the positive growth trends, the UPVC doors and windows industry faces several challenges that impact its development and market dynamics. **Competition from Other Materials:** While UPVC has gained popularity, it faces competition from other materials such as aluminum, wood, and composite options. Each material has its own set of advantages and disadvantages, leading to diverse consumer preferences based on factors like aesthetics, performance, and sustainability. **Environmental Concerns:** Although UPVC is durable and requires minimal maintenance, its production involves the use of chemicals and is not biodegradable. This raises concerns about its environmental impact and the responsible disposal of old UPVC products. Sustainable practices and innovations are required to address these concerns.

**Aesthetics:** Despite the availability of various design options, some consumers still prefer the natural elegance of wood or the modern sleekness of aluminum. Convincing these consumers about the benefits of UPVC's practicality and performance remains a challenge. **Changing Regulations:** Regulations related to construction materials, energy efficiency standards, and environmental impact can impact the UPVC market. Manufacturers need to stay abreast of evolving regulations to ensure their products remain compliant and competitive. In regions where UPVC products are already widely adopted, the market could become saturated. This saturation might lead to heightened competition among manufacturers, potentially resulting in price pressures and thinner profit margins. In certain markets, there might be a perception that UPVC is of lower quality compared to traditional materials like wood. Educating consumers about UPVC's benefits, including its durability, energy efficiency, and design versatility, is crucial for shifting these perceptions.

In conclusion, the global UPVC doors and windows market has witnessed remarkable growth due to its energy efficiency, durability, low maintenance, aesthetic adaptability, and cost-effectiveness. However, challenges including competition from other materials, environmental concerns, aesthetic preferences, changing regulations, market

saturation, and perception issues pose hurdles for the industry's sustained progress. As the industry evolves, addressing these challenges will be essential to ensuring UPVC's continued relevance and success in the construction market.

## Key Market Trends

### Latest Innovation in Residential UPVC Doors & Windows

Doors And Windows Market are now able to suggest world-class products, such as uPVC, to people searching for comfort and improved lives at low pricing. Casement (outward and inward open), tilt and turn, sliding, slide and fold, lift and slide, top hung, and other forms of uPVC windows and doors complement modern architecture in a unique way.

The growing popularity and demand for uPVC windows and doors has provided chances for several local and Chinese companies to enter this market. Since India is a price sensitive market, these corporations frequently compromise quality to increase profits, resulting in a negative image of the product.

Furthermore, when properly built and installed, uPVC windows provide excellent sound insulation. uPVC windows and doors are available in a variety of forms and styles to match any modern architecture and may be installed in any type of structure, including villas, high-rise apartments, businesses, hotels, and hospitals. They are also available in a variety of color options, which may add value to your home's interiors/exteriors. Interestingly, people don't have to be concerned about the durability, uPVC compound qualities - window and door profiles are termite resistant and almost endure forever.

## Segmental Insights

### End user Insights

UPVC doors are more durable and weather-resistant than other types of doors, such as wood or aluminum. This makes them ideal for Residential applications, where they are exposed to harsh weather conditions. UPVC doors are also more energy-efficient than other types of doors. This can save businesses money on their energy bills. UPVC doors are relatively easy to maintain and clean. This makes them a low-maintenance option for businesses. Doors are available in a wide variety of styles and colors. This allows businesses to choose doors that match the décor of their establishment.

## Regional Insights

The Asia Pacific region has established itself as the leader in the Global Residential UPVC Doors & Windows Market with a significant revenue share in 2022. Asia-Pacific ranks as the fastest-growing market, with a significant growth rate over the forecast period, led by rapid urbanization and industrialization. Increasing awareness of the benefits of UPVC and elements, such as rapid urbanization, regulatory framework, and rising concerns for energy saving, is expected to positively influence the use of this material in doors and windows in the Asia-Pacific region. The Asia-Pacific region is leading the industry owing to rapid industrialization, an increasing number of automotive industries, and developments in the electric and electronic industries. Advancements in technology and increased product innovations are among the key factors supporting the demand for UPVC doors and windows in this region.

## Key Market Players

VEKA Group

Deceuninck NV

Profine Group

REHAU

Jeld-Wen

LG Hausys

Aluplast

Pella Corporation

Corialis Group

Crystal Window & Door Systems

## Report Scope:

In this report, the Global Residential UPVC Doors & Windows Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Global Residential UPVC Doors & Windows Market, By Product Type:

UPVC Doors

UPVC Windows

Global Residential UPVC Doors & Windows Market, By Distribution Channel:

Offline Stores

Online Stores

Global Residential UPVC Doors & Windows Market, By Region:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Indonesia

Europe



Germany

United Kingdom

France

Russia

Spain

South America

Brazil

Argentina

Middle East & Africa

Saudi Arabia

South Africa

Egypt

UAE

Israel

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Residential UPVC Doors & Windows Market.

## Available Customizations:

Global Residential UPVC Doors & Windows Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The



following customization options are available for the report:

#### Company Information

Detailed analysis and profiling of additional market players (up to five).

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