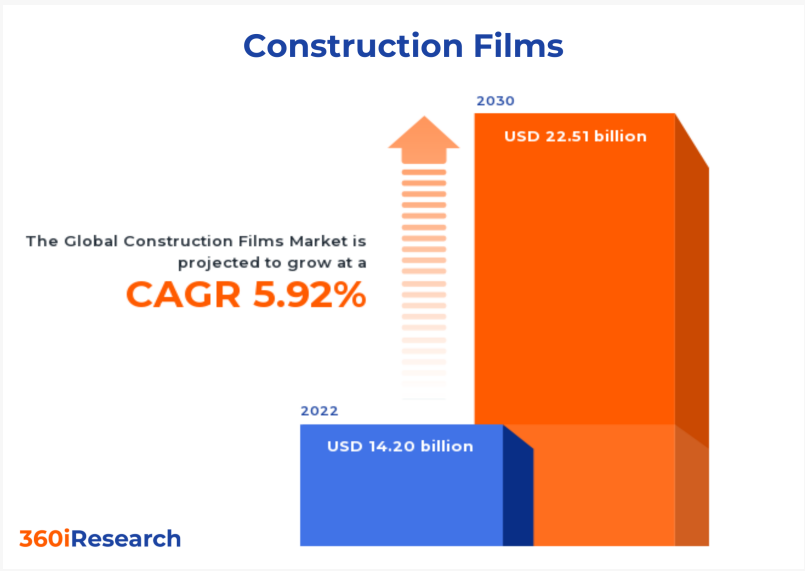
Construction Films Market worth $22.51 billion by 2030, growing at a CAGR of 5.92% - Exclusive Report by 360iResearch

The Global Construction Films Market to grow from USD 14.20 billion in 2022 to USD 22.51 billion by 2030, at a CAGR of 5.92%.



Construction Films Market - Exclusive Report by 360iResearch

PUNE, MAHARASHTRA, INDIA, November 8, 2023 /EINPresswire.com/ -- The "Construction Films Market by Type (Opaque, Translucent, Transparent), Material (High Density Polyethylene, Low Density Polyethylene & Linear Low-Density Polyethylene, Polyamide or Biaxially Oriented PA), Thickness, Application, End-Use - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.

The Global Construction Films Market to grow from USD 14.20 billion in 2022 to USD 22.51 billion by 2030, at a CAGR of 5.92%.

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Construction films are versatile films typically made from polyethylene (PE), polypropylene (PP), or polyvinyl chloride (PVC) resins and exhibit a range of beneficial properties such as durability, flexibility, and resistance to moisture, chemicals, and ultraviolet radiation. The growing construction and residential projects are increasing the deployment of construction films to protect building structures from dust, debris, moisture, and vapors and to ensure surface protection. In addition, the property of construction films acts as a protective barrier against rain, sunlight, and cold conditions, elevating its usage across changing weather conditions. Construction films play a crucial role in developing energy-efficient and green buildings for

reducing energy consumption, improving thermal performance, minimizing waste generation, and enhancing overall building sustainability. The fluctuating costs of raw materials used in construction films, including polyethylene, polypropylene, polyvinyl chloride, and other additives, limit the production and deployment of construction films. Moreover, the strict government regulations for approving and using construction films negatively impact product penetration worldwide. However, the emergence of nanotechnology improves mechanical strength, flexibility, chemical resistance, thermal stability, and barrier properties of construction films against water vapor and gas permeation, expanding the scope of the construction films market. In addition, the growing focus of manufacturers on certified recycled materials to produce construction films is expected to create growth opportunities for the construction films market in the coming years.

Material: Growing popularity of low-density polyethylene (LDPE) and linear low-density polyethylene (LLDPE) construction films due to it moisture resistance advantage
High-density polyethylene (HDPE) construction films are robust, durable, and weather-resistant materials with excellent chemical resistance properties. These films are commonly used for vapor barriers, geomembranes, and waterproofing applications owing to their low permeability and high tensile strength. On the other hand, low-density polyethylene (LDPE) and linear low-density polyethylene (LLDPE) construction films are ideal for applications that require flexibility and elasticity, such as under-slab vapor retarders and crawl space liners. Polyamide or biaxially oriented PA film is a high-performance material offering exceptional barrier properties against gases, odors, and chemicals. Polyethylene terephthalate construction films are lightweight materials easily converted into various formats, such as sheets or rolls, improving their applications for window glazing, protective layers on solar panels, or laminated glass. The lightweight and non-toxic properties of polypropylene film construction have assisted their use in green buildings' vapor retarder systems to reduce energy consumption. The excellent adhesion, high clarity, and UV protection properties make polyvinyl butyral ideal for architectural glazing applications. Polyvinyl chloride construction films are known for their long service life, resistance to environmental degradation, and ability to be easily welded or bonded.

Type: Increasing demand for translucent film for enhancing the functionality and durability of building and construction
Transparent, translucent, and opaque construction films offer varying degrees of light transmission and visibility, which can be tailored to suit diverse applications within the building & construction industry. Transparent construction films allow most of the visible light to pass through them while providing a clear view of objects behind the film. This type of film is used for applications requiring maximum visibility, such as window glazing. They can be UV-stabilized to prevent degradation from sunlight exposure and preserve their mechanical properties over time. Translucent construction films permit some amount of light transmission but diffuse it in such a way that objects behind the film cannot be clearly seen. These films can provide privacy while still allowing natural light to enter a space without causing glare. Translucent films are often utilized in partition walls, skylights, decorative panels, or shower doors where light diffusion and privacy is desired. Opaque construction films do not allow any visible light to pass through them,

making them ideal for blocking sunlight or providing complete privacy when required. Common applications include blackout curtains for theaters or conference rooms, vapor barriers in roofs and walls to prevent moisture penetration, or temporary covers during construction works to protect finished surfaces from damage. Opaque films can be reinforced with fibers or laminated with other materials to improve their mechanical strength, puncture resistance, or chemical resistance, making them suitable for demanding environments.

Application: Growing usage of construction film for protective & barrier construction application

Decorative films enhance aesthetic appeal, provide design flexibility, and offer functional benefits such as UV protection and thermal insulation. Alternatively, protective & barrier construction films aim to safeguard structures from external factors, such as moisture intrusion, UV radiation, chemical exposure, or corrosion. They contribute to a structure's durability during construction and extend its lifespan after completion. Vapor barriers/retarders, gas barriers, waterproofing membranes, and surface protection films are key types of protective & barrier films. Both decorative and protective & barrier film segments cater to distinct needs within the construction industry yet offer ample opportunities for innovation amidst emerging trends, including sustainability initiatives. Manufacturers are continuously improving their products to accommodate changing market demands while capitalizing on advanced material technologies tailored to specific project requirements.

Thickness: Increasing adoption of 16-35 microns thickness construction film due to their improved moisture and vapor barrier properties

Construction films are widely used in various applications, such as vapor barriers, moisture barriers, and ultraviolet (UV) radiation protection, and the thickness of these films plays a crucial role in determining their effectiveness and durability. Films with a thickness of less than 15 microns are considered lightweight and employed for short-term or temporary applications. Their primary function is to provide a basic level of protection against dust, debris, and moisture during construction projects. However, due to their limited thickness, they lack sufficient strength to withstand harsh environmental conditions or heavy mechanical stress for an extended period. Construction films with a thickness between 16 and 35 microns offer enhanced durability compared to those with less than 15 microns. This increased thickness allows them to better resist punctures, tears, and abrasions while providing improved moisture and vapor barrier properties. These characteristics make these medium-weight films suitable for more demanding applications, such as waterproofing foundations or covering building materials that require additional protection during transportation or storage. Thicker films with over 35 microns are designed for high-performance applications where long-lasting protection against external factors such as water penetration or UV radiation is paramount. These robust films exhibit superior tensile strength and resistance against wear and tear when subjected to adverse weather conditions or prolonged exposure. They are often used in critical areas such as roofing underlayment and geomembrane liners in landfills where maximum durability is required.

End-Use: Increasing use construction film for prioritize energy efficiency and attractive

appearance
Construction films are a versatile and essential component in numerous commercial, industrial, and residential projects. These films serve multiple purposes, such as providing a protective barrier, enhancing energy efficiency, increasing privacy and security, reducing noise transmission, and improving overall aesthetics. In the commercial sector, construction films play a crucial role in creating comfortable environments for both clients and employees. For instance, solar control films can be applied to building windows to reduce heat gain and glare while maintaining natural light penetration. This results in improved energy efficiency by minimizing the need for air conditioning systems. Safety and security films also mitigate the risk of injury from shattered glass during accidents or vandalism incidents. In industrial applications, heavy-duty construction films are utilized for vapor barriers, moisture protection, or to create temporary enclosures during construction processes, as these solutions can withstand challenging environments. These high-performance films protect assets and workers alike by preventing water ingress into foundations or creating dust-free zones during renovation works. Residential projects also benefit significantly from the use of construction films. Insulation films help homeowners save on heating and cooling costs by reflecting radiant heat back into living spaces while blocking harmful UV rays. Moreover, privacy films offer an economical alternative to traditional blinds or curtains as they obscure visibility without compromising light transmission. Construction films have become an integral component across various project types due to their multifunctional nature and adaptability. As production technology advances and environmental concerns increase, the adoption of construction films is expected to rise further across different sectors.

Regional Insights:
The construction films market in the Asia-Pacific region is rapidly expanding owing to the rising investments in residential and commercial building structures, growing adoption of advanced construction materials for constructing industrial infrastructures, and increasing government focus on smart cities and green building development. The construction films market in the Americas is growing due to the rising awareness of energy efficiency, increasing stringent building regulations, and growing advancements in construction film technology. The International Energy Conservation Code in the U.S. mandates that construction projects meet specific thermal insulation and air infiltration requirements. As a result, the demand for high-performance construction films has escalated in the Americas to provide an effective solution for meeting regulatory standards. Moreover, the EMEA region represents a highly developing construction films market owing to the increasing use of construction films to overcome the challenges of extreme weather conditions, increasing government investments for sustainable construction projects, and rising innovations in construction film materials and manufacturing technologies.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Construction Films Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and

Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Construction Films Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Construction Films Market, highlighting leading vendors and their innovative profiles. These include 3M Company, BASF SE, Berry Global Group, Inc., Brite Coatings Private Limited, China Petrochemical Corporation, Compagnie de Saint-Gobain, Cortec Corporation, Coveris Management GmbH, Dana Poly, Inc., DEKU Kunststoffabrik E. & J. Bolkart GmbH & Co. KG, DuPont de Nemours, Inc., Eastman Chemical Company, Exxon Mobil Corporation, Formosa Plastics Corporation, INDEVCO Group, Inteplast Group, Kashyap Unitex Corporation, Mitsubishi Chemical Corporation, Mondi PLC, MURAPLAST d.o.o., Napco National, POLIFILM GmbH, Polyplex Corporation Limited, RKW SE, Siliconature Spa, SKC Co., Ltd., Supreme Industries Ltd., TechnoNICOL Corporation, Toray Industries, Inc., Total Plastics, Upass Material Technology (Shanghai) Co.,Ltd., and Viaflex, Inc..

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Market Segmentation & Coverage:

This research report categorizes the Construction Films Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Type, market is studied across Opaque, Translucent, and Transparent. The Translucent commanded largest market share of 42.12% in 2022, followed by Opaque.

Based on Material, market is studied across High Density Polyethylene, Low Density Polyethylene & Linear Low-Density Polyethylene, Polyamide or Biaxially Oriented PA, Polyethylene Terephthalate, Polypropylene, Polyvinyl Butyral, and Polyvinyl Chloride. The Low Density Polyethylene & Linear Low-Density Polyethylene commanded largest market share of 18.00% in 2022, followed by Polyvinyl Chloride.

Based on Thickness, market is studied across 16 - 35 microns, Less than 15 microns, and Over 35 microns. The 16 - 35 microns commanded largest market share of 47.54% in 2022, followed by Over 35 microns.

Based on Application, market is studied across Decoration and Protective & Barrier. The Protective & Barrier commanded largest market share of 74.23% in 2022, followed by Decoration.

Based on End-Use, market is studied across Commercial, Industrial, and Residential. The Commercial commanded largest market share of 46.65% in 2022, followed by Residential.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Asia-Pacific commanded largest market share of 38.79% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

The report provides insights on the following pointers:
1. Market Penetration: Provides comprehensive information on the market offered by the key

players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:
1. What is the market size and forecast of the Construction Films Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Construction Films Market?
3. What is the competitive strategic window for opportunities in the Construction Films Market?
4. What are the technology trends and regulatory frameworks in the Construction Films Market?
5. What is the market share of the leading vendors in the Construction Films Market?
6. What modes and strategic moves are considered suitable for entering the Construction Films Market?

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