

Phenolic Insulation Market Size Worth \$1.6 Billion by 2031 | Driving Factors | Report Growth

The rising demand for infrastructure development in the residential and commercial sectors is the primary factor propelling market expansion

WILMINGTON, DE, UNITED STATES, August 12, 2025 /EINPresswire.com/ -- According to the report published by Allied Market Research, the [global phenolic insulation market](#) reached an estimated value of \$0.9 billion in 2021 and is projected to reach \$1.6 billion by 2031, registering a robust CAGR of 6.5% from 2022 to 2031. The report offers a detailed analysis of key factors driving market growth, investment opportunities, competitive landscape, and emerging trends, providing valuable insights for industry stakeholders to formulate effective strategies and enhance their market position.

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Phenolic insulation is a type of plastic foam used as an insulating core between two flexible tissue-faced layers. It possesses several desirable characteristics such as fire resistance, high durability, low smoke emission at high temperatures, and chemical resistance. These properties make it suitable for various applications including insulation layers for insulation systems, HVAC air ducts, padding material for fireproof doors, and more. Phenolic insulation is characterized by its closed-cell structure and superior thermal efficiency, allowing for excellent insulation performance with minimal thickness. Additionally, it exhibits distinct fire-retardant properties compared to other organic insulation materials, with low smoke density, flammability, and toxicity.

The global phenolic insulation market is analyzed based on type, end-use industry, and region. The report provides a comprehensive breakdown of these segments through tabular and graphical representation, enabling investors and market players to identify high-revenue and fast-growing segments for strategic decision-making.

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In terms of application, the duct segment accounted for nearly two-fifths of the total market revenue in 2021 and is expected to maintain its dominance through 2031. This segment is also projected to exhibit the fastest CAGR of 7.0% during the forecast period.

With regards to end-use industry, the HVAC system segment held more than two-fifths of the total market revenue in 2021 and is anticipated to continue its dominance through 2031. Similarly, this segment is expected to register the fastest CAGR of 7.0% during the forecast period.

Geographically, the Asia-Pacific region accounted for nearly half of the global market revenue in 2021 and is poised to retain its dominant position through 2031. Moreover, the region is projected to witness the fastest CAGR of 7.6% during the forecast period. Other regions analyzed in the report include Europe, North America, and LAMEA.

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The key market players profiled in the report include Asahi Kasei Corporation, BASF SE, Covestro AG, Dow Inc., SQ Group Guibao, Huntsman Corporation, Armacell, Johns Manville, Kingspan Group, LX Hausys, Owens Corning, Saint-Gobain, Sekisui Chemicals Co., Ltd, and Beijing Coowor Network Technology Co., Ltd. These players have adopted various strategies such as partnerships, expansions, collaborations, and joint ventures to strengthen their market presence. The report offers insights into the business performance, product portfolio, operating segments, and developments of these key players, aiding stakeholders in making informed decisions.

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