Vacuum Insulation Panels (VIPs) – A Global Market Overview

This report reviews, analyzes and projects the Vacuum Insulation Panels (VIPs) market for global and the regional markets including the North America, Europe, Asia-Pacific and Rest of World for the period 2022-2032 in terms of volume (square meters/m2) as well as value (US$). The market for the material types of VIP products analyzed in this study comprise Core Materials – Fumed Silica, Fiberglass and Others; and Envelope Materials – Aluminum Foils and Metalized Laminates. The report also explores global VIPs market by application consisting of Refrigerators & Freezers, Cold Chain Logistics, Building & Construction and Others.

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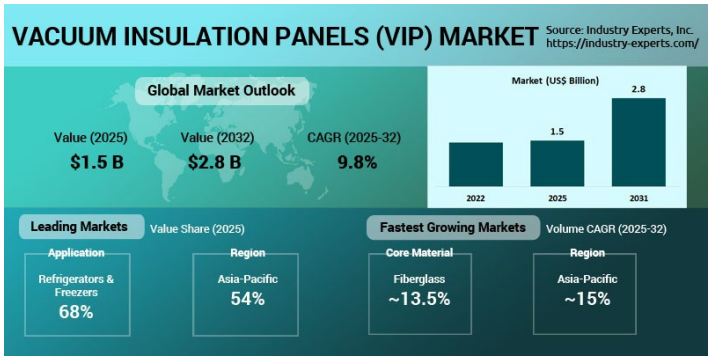
Global Vacuum Insulation Panels (VIPs) Market Trends and Outlook

The global Vacuum Insulation Panels (VIPs) market is primarily driven by increasingly stringent energy-efficiency regulations for appliances and buildings, along with rising demand for reliable thermal protection in pharmaceutical and biotech cold chain logistics. Appliance manufacturers remain the largest adopters of VIPs as they seek to comply with tightening efficiency standards, while regulatory scrutiny of pharmaceutical cold chains continues to reinforce demand for high-performance insulation solutions. Although adoption in the construction sector has historically been limited by the higher cost of VIPs, their use is gaining traction in space-constrained buildings and high-performance retrofit projects, particularly in parts of Asia-Pacific and Europe. In 2025, global VIP consumption reached approximately 64.3 million square meters, with market value of about US$1.46 billion. Looking ahead, the market is expected to grow at a 13.6% CAGR in volume and a 9.8% CAGR in value during 2025-2032, reaching around 156.7 million square meters and US$2.81 billion by 2032, supported by accelerating adoption in appliances, steady expansion of pharmaceutical cold chains, and the gradual transition of VIPs from pilot-scale to commercial use in building applications across key regions.



Vacuum Insulation Panels (VIPs) Market Report Scope

This report reviews, analyzes and projects the Vacuum Insulation Panels (VIPs) market for global and the regional markets by core material type, envelope material type and application for the period 2022-2032 in terms of volume (square meters/m2) as well as value (US$).

Key Metrics

Historical Period:	2022-2024
Base Year:	2025
Forecast Period:	2025-2032
Units:	Volume consumption in Thousand Square Meters and Value market in US$
Companies Mentioned:	11

Global Vacuum Insulation Panels (VIPs) Market by Geographic Region

- North America (The United States and Mexico)
- Europe (Austria, France, Germany, Italy, Switzerland, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, Japan, South Korea and Rest of Asia-Pacific)
- Rest of World (Turkey, Russia, Brazil and Other ROW)

Global Vacuum Insulation Panels (VIPs) Market by Product Types

- By Core Material
  - Fumed Silica VIPs
  - Fiberglass VIPs
  - Other Core Material based VIPs (Aerogel, Expanded Perlite, Hybrid and PU foam)
- By Envelope Material
  - Aluminum Foils based VIPs
  - Metalized Laminates based VIPs

Global Vacuum Insulation Panels (VIPs) Market by Applications

- Refrigerators & Freezers
- Cold Chain Logistics
- Building & Construction
- Other Applications (such as marine, automotive, aerospace, hot water storage, industrial & technical insulation etc.)

SAMPLE COMPANY PROFILE

FUJIAN SUPERTECH ADVANCED MATERIAL CO., LTD. (CHINA)

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Email: market@supertech-vip.com
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Business Overview

Fujian SuperTech Advanced Material Co., Ltd., also known as Fujian Saite New Materials Co., Ltd., was founded in 2007 and is engaged in the research and development, production, and supply of vacuum insulation panels (VIPs) and related vacuum insulation products. The company manufactures VIPs, VIP-based cold-chain insulation boxes, fiberglass core materials, vacuum insulating glass (VIG), barrier films, and gas adsorbents, and also provides performance testing services for vacuum-packaged products. Headquartered in Liancheng County, Longyan City, Fujian Province, with an operations center in Xiamen, the company operates multiple subsidiaries including SuperTech Cold Chain Technology, Film Technology, VIG (Xiamen) Technology, SuperTech Building Materials, and Anhui SuperTech. Fujian SuperTech supplies VIP products primarily to appliance manufacturers across the United States, Europe, China, Japan, South Korea, and Taiwan. According to company disclosures, annual production capacity includes approximately 12 million square meters of VIPs, 36,000 tons of core materials, and 100 million square meters of barrier films.

SuperTech Advanced Material has developed integrated capabilities covering core materials, barrier films, adsorbents, vacuum packaging, and intelligent manufacturing equipment. Its R&D activities span seven key areas, including VIP service life, core materials, thin-film technology, gas adsorbents, equipment automation, application development, and inspection and testing. The company offers OEM services to domestic and international cold-chain enterprises and reports cumulative global VIP sales exceeding 43 million square meters, with a strong presence in refrigerator and freezer insulation markets and long-term partnerships with companies such as Haier, Samsung, Midea, and CIMC. In July 2024, Fujian SuperTech announced a project in Liancheng County to add an annual capacity of 5 million square meters of architectural VIPs. In parallel, its subsidiary VIG (Xiamen) Technology completed the main structure of a vacuum glass production facility in January 2024, which, once fully operational, is planned to reach an annual output capacity of 2 million square meters of vacuum insulating glass.

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SAMPLE TABLE/CHART

Glance at 2022, 2025 and 2032 Global Vacuum Insulation Panels (VIPs) Market Share (%) by Core Material Type - Fumed Silica, Fiberglass and Others

Global Fumed Silica VIPs Market Analysis (2022-2032) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World in Thousand Square Meters

KEY PLAYERS PROFILED

- AEROPAN - AMA Advanced Materials Srl
- AeroSafe Global
- Asahi Fiber Glass Co., Ltd.
- Chuzhou Yinxing New Material Technology Co., Ltd.
- CSafe Global
- ES Global Co., Ltd.
- Etex Building Performance NV (Promat)
- Fujian SuperTech Advanced Material Co., Ltd.
- Future Housing Co., Ltd.
- Hitachi Global Life Solutions, Inc.
- Isolcore - New Zealand Company S.R.L.

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Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

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