

Vacuum Insulation Panel Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global vacuum insulation panel market size reached US\$ 8.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 11.8 Billion by 2028, exhibiting a growth rate (CAGR) of 4.9% during 2023-2028.

A vacuum insulation panel (VIP) is a flat element comprising an open porous core material, which withstands the external load caused by atmospheric pressure and a gas-tight envelope to maintain the required quality of the vacuum. It is ideal for the transportation of heat-sensitive products in extreme conditions, such as prolonged periods and intense temperatures. It offers low insulation thickness and high-performance thermal insulation. As a result, VIP finds extensive applications in the construction and logistics industries across the globe.

Vacuum Insulation Panel Market Trends:

In recent years, significant progress in nanotechnology and material sciences, allowing the adaptation of known theoretical principles of thermal physics in practice, has resulted in the development of high-performance thermal insulators. This, in confluence with increasing construction activities on account of rapid industrialization and urbanization across the globe, represents one of the key factors bolstering the growth of the market. Moreover, VIPs are used as external or internal insulation in detached houses, apartment buildings, nurseries, and office buildings in new construction and renovations. They are also utilized for insulating floors, facades, flat roofs, terraces, walls, attic hatches, and stairs. Apart from this, they are used in refrigerated trucks and transportation systems, vending machines, cold storage units like fridges, freezers, and wine coolers, and packaging for medical and pharmaceutical products. In addition, VIPs are viable for high-temperature applications, such as domestic ovens, furnaces, hot

water tanks, and concentrated solar plants, especially with heat-resistant glass-fiber core panels. Besides this, VIPs exhibit superior insulation performance than conventional insulating panels, which is impelling the growth of the market. Furthermore, the rapid expansion of cold storage facilities worldwide is positively influencing the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global vacuum insulation panel market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, raw material, core material and application.

Breakup by Type:

- Flat Panel
- Special Shape Panel

Breakup by Raw Material:

- Plastics
- Metal

Breakup by Core Material:

- Silica
- Fiberglass
- Others

Breakup by Application:

- Construction
- Cooling and Freezing Devices
- Logistics
- Others

Breakup by Region:

- North America
- United States

Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Avery Dennison Corporation, BASF SE, Etex Building Performance NV (Etex Group), Evonik Industries AG (RAG-Stiftung), Kevothermal Ltd, Kingspan Group plc, Knauf Insulation, Morgan Advanced Materials, OCI Company Ltd., Panasonic Corporation, TURNA d.o.o. and Va-Q-Tec AG.

Key Questions Answered in This Report

1. What was the size of the global vacuum insulation panel market in 2022?
2. What is the expected growth rate of the global vacuum insulation panel market during 2023-2028?
3. What are the key factors driving the global vacuum insulation panel market?
4. What has been the impact of COVID-19 on the global vacuum insulation panel market?
5. What is the breakup of the global vacuum insulation panel market based on the type?

6. What is the breakup of the global vacuum insulation panel market based on the core material?
7. What is the breakup of the global vacuum insulation panel market based on the application?
8. What are the key regions in the global vacuum insulation panel market?
9. Who are the key players/companies in the global vacuum insulation panel market?

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