

Vacuum Insulation Panels (VIPs) - A Global Market Overview

Market Report | 2023-10-11 | 259 pages | Industry Experts

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Report description:

Report Synopsis

Key market trends driving demand for VIPs include stringent energy efficiency standards for appliances and buildings, demand for ever more complex and often temperature-sensitive biotech medications. The market development of VIPs has been largely impacted by the evolution in regulations set for energy efficiency in buildings, refrigerators, hot water storage systems and automobiles.

Refrigeration manufacturers are increasingly employing VIPs for achieving optimum energy efficiency. Cold chain logistics for pharmaceutical products is also under intense regulatory scrutiny, which has increased the need for reliable and high-performance thermal packaging, which has boosted the market for VIPs. Refrigerators & freezers industry is the largest consumer of Vacuum Insulation Panels (VIPs) globally, estimated at 43.7 million square meters, valued at US\$992 million in 2023, and is further projected to record a robust CAGR of 17.2% during 2023-2029 period in reaching 113 million square meters valued at US\$2.1 billion by 2029.

Research Findings & Coverage

- ☐- Global market for Vacuum Insulation Panels (VIPs) is analyzed in this report with respect to product types and applications across major geographic regions and key countries
- ☐- Global market share analysis for VIPs is provided based on the segmentation mentioned above; and current market size estimations and revenue projections given for the analysis period through 2029
- ☐- The study discusses major growth trends, R&D, technology updates, statutory regulations and emerging applications of VIPs that influence the market growth
- ☐- Key business trends focusing on product innovations/developments, capacity expansions, M&As, JVs and other recent industry developments by the major players
- ☐- The report includes 187 charts/data tables covering market numbers by segment and regions with graphical representation for each table
- ☐- Brief business profiles of major companies covered - 26
- ☐- The industry guide includes the contact details for 71 companies

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Product Outline

The market for product types/sub-types of Vacuum Insulation Panels (VIPs) analyzed in this report includes:

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

Global market for applications of Vacuum Insulation Panels (VIPs) explored in this study includes:

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

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Vacuum Insulation Panels (VIPs) market for the period 2019-2029 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2022 through 2029

Geographic Coverage

- 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)

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 - 2.3.1 New CEN Standard on VIPs in buildings to boost VIP industry in Europe

3. INDUSTRY LANDSCAPE

- 3.1 Vacuum Insulation Panels Producers
 - AeroSafe Global (United States)
 - Asahi Fiber Glass Co., Ltd. (Japan)
 - Chuzhou Yinxing New Material Technology Co., Ltd. (China)
 - CSafe Global (United States)
 - Etex Building Performance NV (Promat) (Belgium)
 - Fujian SuperTech Advanced Material Co., Ltd. (China)
 - Hitachi Global Life Solutions, Inc. (Japan)
 - Isoleika S. Coop. (Spain)

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- Jiangsu Sanyou Dior Energy-Saving New Materials Co., Ltd. (China)
- Kingspan Insulation Ltd (United Kingdom)
- Knauf Insulation, d.o.o. (Slovenia)
- KyungDong One Co., Ltd. (South Korea)
- Morgan Advanced Materials PLC (United Kingdom)
- NEVEON Holding GmbH (Austria)
- OCI Company Ltd. (South Korea)
- Panasonic Corporation (Japan)
- Sealed Air Corporation (United States)
- Sichuan Micolon VIP New Material Co., Ltd. (China)
- Siltherm Int'l Group Limited (China)
- Turvac, inovativneizolacije, d.o.o. (Slovenia)
- Unifrax I LLC (United States)
- Vaku-Isotherm GmbH (Germany)
- va-Q-tec AG (Germany)
- VARIOTEC GmbH & Co. KG (Germany)
- Winnezone Industrial Co., Ltd. (China)
- Zhongheng New Material Technology Co., Ltd. (China)

3.2 Raw Materials Producers

□ Core Materials

- BASF SE (Germany)
- Cabot Corporation (United States)
- Evonik Industries AG (Germany)
- SUMTEQ GmbH (Germany)
- Unicorn Insulations Limited (China)
- Wacker Chemie AG (Germany)

□ Barrier Films

- Amcor plc (Switzerland)
- Anhui Tongda Packaging Material Co., Ltd. (China)
- Avery Dennison Hanita (Israel)
- Camvac Limited (United Kingdom)
- Kuraray Co., Ltd. (Japan)
- Mitsubishi Polyester Film GmbH (Germany)
- Rexor (France)

□ Getters

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