

Vacuum Insulation Panels (VIPs) – A Global Market Overview

“The report reviews, analyzes and projects the global market for Vacuum Insulation Panels (VIPs) for the period 2019-2029. 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.”

Published: October 2023

Report Code: MG023

Pages: 259

Charts: 187

Price: \$4500 Single User License, \$7200 Enterprise License

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.

- 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

Product Outline

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

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

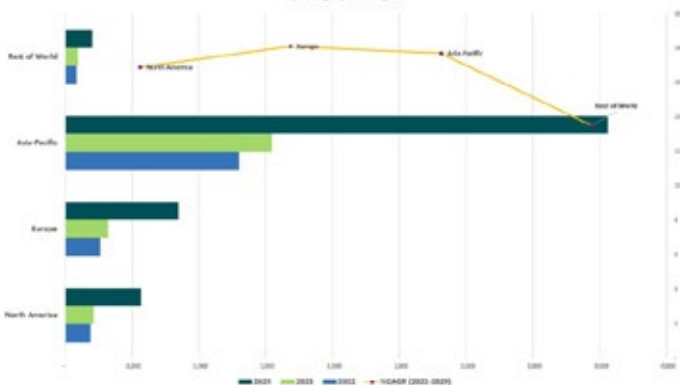
Analysis Period, Units and Growth Rates

- 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)

Global Vacuum Insulation Panels (VIPs) Market (2022-2029) in Refrigerators & Freezers by Geographic Region



Source: Industry Experts, Inc. <https://industry-experts.com>

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

SAMPLE COMPANY PROFILE

ETEX BUILDING PERFORMANCE NV (PROMAT)

Bormstraat 24, 2830 Tisselt, Belgium

Phone: +32 2 778 12 11

Email: construction@promat.com

Website: www.promat.com

Business Overview

Etex Building Performance NV (previously known as Promat International NV) is engaged in the production and supply of fire protection and high-performance insulation products for use in building & construction and industrial markets. Etex Building Performance NV offers its these products under the Promat brand. Promat fire protection products are used for the construction of air-ducts, the encasement of structural steel profiles, walls, ceilings, and the protection of electricity cables among others. Promat also offers a wide range of associated products like fire-resistant glass, fire-stopping products, special fire protection mortar, pipe collars for combustible (PVC) pipes, and fire rated mastics. Promat’s high performance insulation product range consists of microporous products such as rigid panels, flexible panels, board products, machined parts, moldable products, feeder bowl kits, pourable products, and vacuum insulated panels; calcium silicates; high temperature wool; high temperature glass wool; composite insulation boards; textile products such as cords, cloths, tapes, ropes, and sleeving; and special products and accessories.

Promat International acquired the Belgium based high performance insulation manufacturer Microtherm Engineered Solutions NV in 2010, bringing Vacuum Insulation Panels (VIPs) and other microporous insulation product portfolio to the group. Established in 1970, Microtherm has been manufacturing high-performance thermal insulation materials based on microporous silica. Microtherm is headquartered in Sint-Niklaas, Belgium, consists of the centre of expertise and the main production facility. Microtherm also has manufacturing facilities in Japan and in the United States. Promat International NV is part of Etex Group, headquartered in Belgium. Founded in 1905, Etex is specialized in manufacturing and marketing building materials and operates 113 production sites in 42 countries and employs more than 14,000 people across the globe.

Product Portfolio

Promat markets its vacuum insulation panels under the brand name ULTIMA® VIP. ULTIMA® VIPs employ blend of filament reinforced fumed silica and an opacifier as core materials, and an ultra-low permeation barrier film that comprises multiple metalized polymer layers as an outer envelope. The Company supplies its VIP products for use in buildings, refrigerators and freezers, temperature-controlled packaging and refrigerated transport applications.

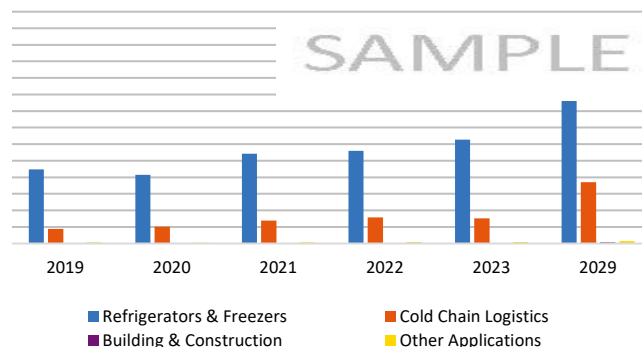
.....[more](#)

SAMPLE TABLE/CHART

Glance at 2022 Global Vacuum Insulation Panels (VIPs) Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World



Asia-Pacific Vacuum Insulation Panels (VIPs) Market Analysis (2019-2029) by Application – Refrigerators & Freezers, Cold Chain Logistics, Building & Construction and Other Applications in USD Million



KEY PLAYERS PROFILED

- AeroSafe Global
- Asahi Fiber Glass Co., Ltd.
- Chuzhou Yinxing New Material Technology Co., Ltd.
- CSafe Global
- Etex Building Performance NV (Promat)
- Fujian SuperTech Advanced Material Co., Ltd.
- Hitachi Global Life Solutions, Inc.
- Isoleika S. Coop.
- Jiangsu Sanyou Dior Energy-Saving New Materials Co., Ltd.
- Kingspan Insulation Ltd
- Knauf Insulation, d.o.o.
- KyungDong One Co., Ltd.
- Morgan Advanced Materials PLC
- NEVEON Holding GmbH
- OCI Company Ltd.
- Panasonic Corporation
- Sealed Air Corporation
- Sichuan Micolon VIP New Material Co., Ltd.
- Siltherm Int'l Group Limited
- Turvac, inovativneizolacije, d.o.o.
- Unifrax I LLC
- Vaku-Isotherm GmbH
- va-Q-tec AG
- VARIOTEC GmbH & Co. KG
- Winnezone Industrial Co., Ltd.
- Zhongheng New Material Technology Co., Ltd.

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Industry Experts, Inc.

451 W Bonita Ave, Suite #10
San Dimas, CA 91710
Greater Los Angeles, United States
Phone: +1-320-iXPERTS (497-3787)

Email: info@industry-experts.com

India Office

1-7-19/C, Street No. 8, Habsiguda
Hyderabad – 500007
India
Phone: +91-40-2715-7746

Website: <https://industry-experts.com>