

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 2017-2026. 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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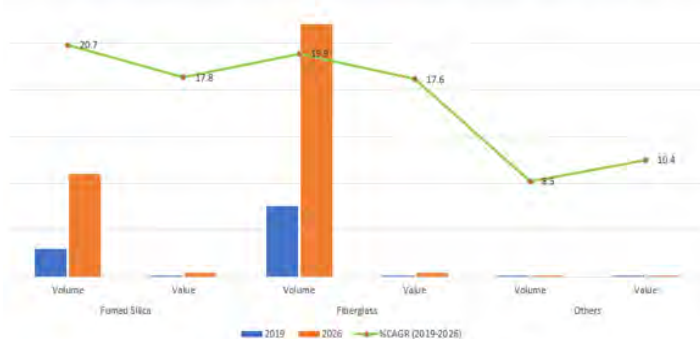
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Report Synopsis

Vacuum insulation panels (VIPs) are considered to be among the most promising high performance thermal insulation solutions on the market today. The performance and design flexibility offered by VIPs has enabled them to be used in an array of constructive applications. These comprise increased volume in commercial and domestic refrigerators, increased shipping times for temperature controlled transportation systems and reduced package size and weight for insulated shipping containers. Also, the growing demand of fulfilling energy standards has led to wider utilization of VIPs in the building and construction industry.

Fiberglass (or glass wool) is the predominant core material used in the VIPs worldwide, thanks to the adoption of fiberglass VIPs in Asia-Pacific’s refrigerator industry, estimated to account for 71.5% in terms of volume in million square meters in 2019. Further, volume consumption of fiberglass VIPs is projected to record a robust CAGR of 20% during 2019-2026 period in reaching 108 million square meters by 2026.

Global Vacuum Insulation Panels Market by Core Material Type 2019-2026



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

Research Findings & Coverage

- This global market research report on Vacuum Insulation Panels (VIPs) analyzes the market with respect to material types (core and barrier) and applications

- Vacuum Insulation Panels (VIPs) market size is estimated/projected in this report by material and applications across all major countries
- VIP Consumption in Refrigerators and Freezers Being Propelled by Stringent Energy Efficiency Standards
- VIPs to See Significant Growth Potential from Thermal Packaging Systems for Healthcare and Logistics
- Demand for Vacuum Insulation Panels in Building Applications Being Hampered by High Costs
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 48
- The industry guide includes the contact details for 71 companies

Product Outline

The market for material of Vacuum Insulation Panels (VIPs) studied in this report comprise the following:

- Core Material
 - Fumed Silica
 - Fiberglass
 - Others
- Envelope Material
 - Aluminum Foils
 - Metalized Laminates

The report analyzes the market for the following applications of Vacuum Insulation Panels (VIPs):

- Refrigerators & Freezers
- Cold Chain Logistics
- Building & Construction
- Others

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Vacuum Insulation Panels (VIPs) market for the period 2017-2026 in terms of both market volume in million sq. mts and value in US\$; and the compound annual growth rates (CAGRs) projected from 2019 through 2026.

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** (Brazil, Russia, Turkey and Other ROW Countries)

SAMPLE COMPANY PROFILE

KINGSPAN INSULATION LTD (UNITED KINGDOM)

Pembridge, Leominster
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Phone: 01544 388 601
Email: info@kingspaninsulation.co.uk
Website: www.kingspan.com

Business Overview

Kingspan Insulation Ltd, a business division of Kingspan Group based in Ireland, is one of the global leading players in the production and supply of high performance insulation products and building envelope solutions. Kingspan Insulation’s wide range of product portfolio encompasses ultra-thin flexible insulation boards and high performance rigid insulation products for building fabric and building services applications; pre-insulated ductwork; timber frame systems; home energy upgrades; moisture management products such as exterior cladding, secondary weather barriers, and flashings; custom molded EPS and EPP solutions; and timber build systems for self-build homes. Kingspan Insulation launched a new vacuum insulation panel (VIP) for use in construction applications under the Optim-R™ brand name in 2012.

Technology and Specifications

Optim-R VIP is a rectangular shaped VIP, containing a micro-porous fumed silica based core material, within an envelope of a three layer laminate of metalized polyester film and LLDPE heat seal layer. Kingspan produces VIPs at Kingspan Insulation’s Pembridge, Herefordshire manufacturing facility and supplies throughout the globe and used for insulation of roofs, walls and floors in buildings.

Kingspan’s Optim-R VIP is also available in systems for differing thermal insulation applications, both new-build and refurbishment. These systems incorporate Kingspan Optim-R flex and Kingspan Optim-R fix strips which are used as infill panels and to mechanically fix through, respectively. Optim-R VIP systems are available for use in flooring, roofing, balcony & terrace, dormer, external wall and rainscreen. Kingspan’s Optim-R is the first VIP in the world to gain BDA Agrément® (BAE 15-035/01/C), a certificate issued by BDA Advies, which is part of the Kiwa Group (an independent institute which provides testing and inspection of materials used in the building envelope).

Kingspan’s Optim-R VIP boasts a designed (aged & edge effect) thermal conductivity of 0.007 W/m·K, for thicknesses of 20 – 40 mm.

Thermal conductivity	OPTIM-R panels achieve a declared thermal conductivity of 0.007 W/m·K
Compressive strength	≥ 150 kPa (at 10% compression)
Thickness	20 - 60 mm
Length	300 - 1200 mm
Width	300 - 600 mm

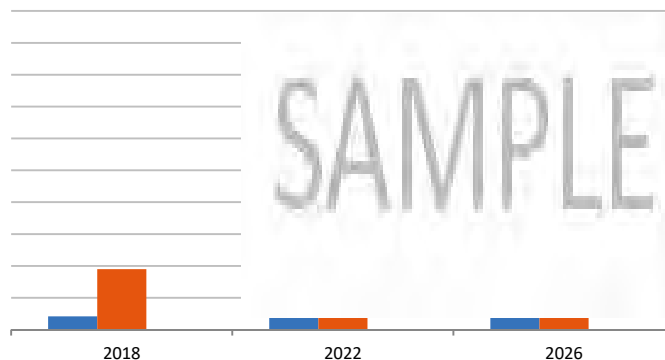
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SAMPLE TABLE/CHART

Glance at 2019 Global Vacuum Insulation Panels (VIPs) Value Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World



Asia-Pacific Vacuum Insulation Panels (VIPs) Market Analysis (2017-2026) by Core Material Type – Fumed Silica, Fiberglass and Others in Thousand Square Meters



KEY PLAYERS PROFILED

- AeroSafe Global (formerly American Aerogel)
- Anhui Zhongke Brilliant Energy-saving Technology Co., Ltd.
- Asahi Fiber Glass Co., Ltd.
- ChuzhouYinxing Electric Co., Ltd.
- CSafe Global
- Fujian SuperTech Advanced Material Co., Ltd.
- Hitachi Global Life Solutions, Inc.
- Isoleika S. Coop.
- Jiangsu Sanyou Dior Energy-Saving New Materials Co., Ltd.
- Kevothermal™ LLC (formerly NanoPore Insulation LLC)
- Kingspan Insulation Ltd
- Knauf Insulation, d.o.o.
- Kurabo Industries Ltd.
- KyungDong One Co., Ltd.
- LG Hausys, Ltd
- OCI Company Ltd.
- Panasonic Corporation
- PorexthermDämmstoffe GmbH
- Promat International NV
- Saint-Gobain ISOVER

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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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