

## 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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### Report Synopsis

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.

The impact of COVID-19 pandemic on vacuum insulation panels (VIPs) demand is expected to differ in intensity depending on their end-use application and region. Sharpest declines would be expected in VIPs for building & construction, refrigerators & freezers and automotive and transportation applications. On the other hand, demand for VIPs in cold chain logistics is expected to increase robustly in 2020-2021, thanks to the demand for cold chain containers and boxes to transport COVID-19 test kits and upcoming demand from COVID-19 vaccine transportation and storage.

Going into 2021, VIPs demand is forecast to pick up in all applications. VIPs demand in cold chain logistics is anticipated to post a robust growth during 2020-2021, amid the huge demand from COVID-19 vaccination programs, recording huge YOY growth rates.

- Vacuum Insulation Panels (VIPs) market size is estimated/projected in this report by material and applications across all major countries
- Storage and Transportation of COVID-19 Test Kits and Vaccines Creates Huge Demand for Vacuum Insulation Panels
- 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 – 47
- The industry guide includes the contact details for 73 companies

### Product Outline

The market for Vacuum Insulation Panels (VIPs) based on materials 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

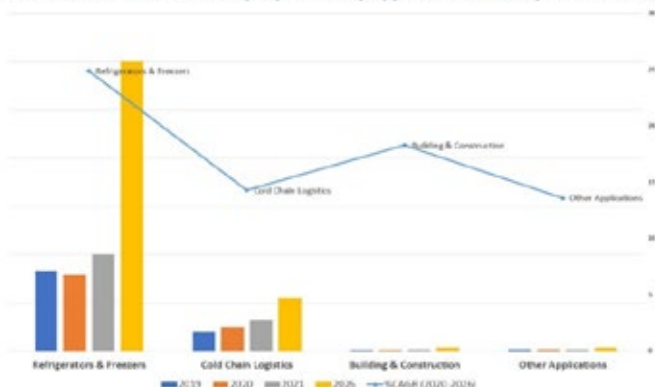
### Analysis Period, Units and Growth Rates

- 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 square meters and value in US\$; and the compound annual growth rates (CAGRs) projected from 2019 through 2026. The focuses on COVID-19 impact on the market with concentrating on YOY growth rates for 2019, 2020 and 2021.

### 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)

Global Vacuum Insulation Panels (VIP) Market by Application in 000' Sq.Mtr 2020 to 2026



Source: Industry Experts, Inc. <https://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

## SAMPLE COMPANY PROFILE

### KEVOTHERMAL™ LLC (UNITED STATES)

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#### Business Overview

Kevothermal™ LLC (formerly NanoPore Insulation LLC) is one of the leading manufacturers of Vacuum Insulation Panels (VIPs) in the world. Headquartered in the United States, Kevothermal operates two manufacturing facilities: Albuquerque, NM, USA and Herefordshire, United Kingdom. Kevothermal is a wholly owned subsidiary of Sealed Air Corporation based in the United States. Kevothermal's VIP technology was originally developed at the University of New Mexico and brought to market by NanoPore Insulation, a local startup that launched in 1993. Sealed Air formed a joint venture with NanoPore in 2007 to market thermal insulation products, and then acquired NanoPore Insulation in 2012. Kevothermal offers wide range of VIPs for use in cold chain packaging, stationery refrigerators, transport refrigerators, electronics, and other specialty applications such as construction, aerospace, defense, medical devices, fuel cells, solar, batteries, consumer and household products, and semiconductor process equipment.

#### Technology and Specifications

Kevothermal™ VIP consists of pressed boards with nanoporous fumed silica powder, encapsulated in a protective barrier film and vacuum sealed. The Company's VIP panels' thickness can range from ~1/4" (6mm) to over 1" (25mm), and panel size from 2" (50mm) square to a maximum of 24" (600mm) x 36" (900mm). Standard thicknesses are 1/4" (6.3mm), 1/2" (12.5 mm), and 1" (25mm). Kevothermal VIP can operate in a temperature range from cryogenic temperatures of -450°F (-268°C) to a maximum continuous working temperature of 140°F (60°C).

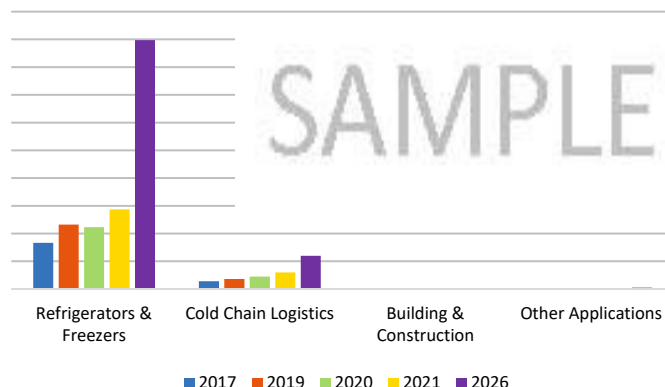
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## SAMPLE TABLE/CHART

Glance at 2020 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 Application – Refrigerators & Freezers, Cold Chain Logistics, Building & Construction and Other Applications in Thousand Square Meters



## KEY PLAYERS PROFILED

- Asahi Fiber Glass Co., Ltd.
- ChuzhouYinxing Electric Co., Ltd.
- CSafe Global
- Fujian SuperTech Advanced Material Co., Ltd.
- Kevothermal™ LLC
- Kingspan Insulation Ltd
- Knauf Insulation, d.o.o.
- KyungDong One Co., Ltd.
- OCI Company Ltd.
- Panasonic Corporation
- PorexthermDammstoffe GmbH
- Promat International NV
- Thermal Visions Inc.
- Turvac, inovativneizolacije, d.o.o.
- Vaku-Isotherm GmbH
- va-Q-tec AG
- VARIOTEC GmbH & Co. KG

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