

Australia Extruded Polystyrene Market Size and Forecast (2020 - 2030), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By End-Use (Building & Construction, Industrial Insulation, Packaging, Automotive, and Others)

<https://marketpublishers.com/r/A0693F6ED2DCEN.html>

Date: March 2024

Pages: 103

Price: US\$ 3,550.00 (Single User License)

ID: A0693F6ED2DCEN

Abstracts

The Australia extruded polystyrene market is expected to grow from US\$ 77.15 million in 2022 and is projected to reach US\$ 118.90 million by 2030; it is expected to register a CAGR of 5.6% from 2022 to 2030.

Extruded polystyrene (XPS) is a versatile and widely used synthetic polymer material with valuable properties, primarily known for its exceptional insulation capabilities. It is produced through a manufacturing process that involves extruding polystyrene polymer granules, resulting in a closed-cell foam structure. The closed-cell nature of XPS makes it highly resistant to moisture, ensuring durability and preventing water absorption, making it suitable for various applications. Apart from its insulation properties, XPS is known for its lightweight yet sturdy nature, making it easy to handle and install. It also exhibits resistance to compression, ensuring long-term structural integrity in various construction applications. Additionally, XPS is recognized for its resistance to mold, mildew, and pests, contributing to the longevity and hygiene of structures where it is utilized.

Extruded polystyrene is used in building and construction, automotive, packaging, marine, and sports applications. Foam molding provides various advantages for construction applications. Compared to other commonly used rigid insulation boards, its higher compressive strength, lower water absorption, and overall robustness make it ideal for ground floors and inverted flat roofs. In the automotive industry, the extruded polystyrene is utilized for interior insulation. Further, end users maintain long-term

relationships with manufacturers to ensure a steady supply of high-quality products.

Furthermore, XPS finds applications beyond construction, such as crafting, molding, and packaging, due to its versatility, strength, and ease of shaping. Its closed-cell structure and ability to withstand a range of temperatures make it a favored material in diverse industries where insulation, durability, and adaptability are essential considerations. Overall, extruded polystyrene stands out as a multifaceted material, playing a crucial role in enhancing energy efficiency and structural performance across various sectors.

Extruded polystyrene provides high benefits in industrial applications and is superior to other insulating materials in terms of physical, thermal, and mechanical properties. The manufacturing process of extruded polystyrene involves melting the polystyrene beads and then extruding them through a die to form a continuous, closed-cell structure. Thus, the resulting foam boards have a smooth, dense surface and uniform structure. They are available in numerous thickness, density, and dimension options to meet various insulation requirements. The extruded polystyrene offers the benefits of insulation by blocking the wave of heat from warm areas to cooler areas.

A few key players operating in the Australia extruded polystyrene market are DuPont de Nemours Inc, Redbak International, Stile Board Pty Ltd, Bewi ASA, Foamex Group Pty Ltd, Kingspan Group Plc, Koolfoam Pty Ltd, The Foam Co, Owens Corning, and BASF SE. Players operating in the market are highly focused on developing high-quality and innovative product offerings to fulfill customers' requirements.

The overall Australia extruded polystyrene market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the market. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain more analytical insights into the topic. The participants of this process include industry experts, such as VPs, business development managers, market intelligence managers, and national sales managers—along with external consultants, such as valuation experts, research analysts, and key opinion leaders—specializing in the Australia extruded polystyrene market.

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