

Multi-Metal Aluminum Sandwich Panels Market by Metal (Aluminum, Steel, Titanium, and Other), Foam Material (With Foam and Without Foam), and Application (Aerospace, Architectural, Construction, Locomotive & Automotive, Marine, Industrial, Chemical, Oil & Gas, and Other): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The global multi-metal aluminum sandwich panels market was valued at \$7.5 billion in 2019, and is projected to reach \$11.4 billion by 2027, growing at a CAGR of 6.8% from 2020 to 2027.

The multi-metal aluminum sandwich panel has two layers of rigid material that are bonded together to the side of a lightweight core. These sandwich panels are being used in various applications such as aerospace, architectural, construction, locomotive & automotive, marine, industrial, chemical, and oil & gas where a combination of high structural rigidity and low weight is needed. The structure of these sandwich panel is similar to the classic I-beam, where two face sheets primarily resist the in-plane and lateral bending loads. Multi-metal aluminum sandwich panels with a core of EPS (Expanded Polystyrene), glass wool, and polyurethane are widely available in the market.

The global multi-metal aluminum sandwich panel market is predicted to witness strong demand in the coming years. This is mainly due to the continuous growth in the construction sector at the global level, which is increasing the adoption of these panels for the construction of buildings. Additionally, increase in number of infrastructural projects, especially in the developing economies such as China, India, and will further

surge the growth of the market in the coming years. The growing emphasis on the construction of special economic zones and commercial building due to rapid industrialization is another factor that will encourage the end users to opt for multi-metal aluminum sandwich panels during the forecast period. The increasing cold storage application of structural insulated panels is a significant factor that is contributing to the growth of the market in the coming years. The multi-metal aluminum sandwich panels are material made by combining the layers of metals with protecting materials. They possess high durability and fast installation as it has easy design, which makes it a more feasible choice as compared to the traditional roof panels.

On the other hand, fluctuation in the prices of raw materials is one of the major factors that is likely to hamper the growth of the market in the coming years. With the outbreak of the COVID-19 pandemic, the construction sector around the world has been adversely impacted, particularly in 2020. This factor has led to the fall in demand for sandwich panels; however, the market is projected to bounce back in 2021, while increasing at a sustainable rate from 2021 onwards.

The global multi-metal aluminum sandwich panels market is segmented into metal, foam material, application, and region.

Based on metal, the global multi-metal aluminum sandwich panels market is segmented into aluminum, steel, titanium, and others. The aluminum segment accounted for the largest market share in 2019, and it is projected to grow with healthy CAGR during the forecast period.

Based on foam material, the global multi-metal aluminum sandwich panels market is segmented into with foam and without foam. With foam is further segmented into aluminum, glass wool, expanded polystyrene, and others. In 2019, with foam segment accounted for the largest market share and it is anticipated to showcase fastest CAGR growth during the forecast period.

Based on application, the global multi-metal aluminum sandwich panels market is segmented into aerospace, architectural, construction, locomotive & automotive, marine, industrial, chemical, oil & gas, and others. The marine application is further segmented into military and civil. In 2019, with construction application accounted for the largest market share while locomotive & automotive application is anticipated to dominate the market in terms of CAGR growth.

Based on region, the global multi-metal aluminum sandwich panels market is studied

across North America, Europe, Asia-Pacific, and LAMEA. In 2019, Asia-Pacific accounted for the largest market share and is predicted to dominate the market share during the forecast period.

The global multi-metal aluminum sandwich panels market profiles the leading players that include Kingspan, Metecno, Isopan, Arcelormittal, Fischer Profil, Isomec, Gcs, Jingxue, Marcegaglia, and Dana Group.

The global multi-metal aluminum sandwich panels market report provides in-depth competitive analysis as well as profiles of these major players.

1.1. Key benefits for stakeholders

Porter's five forces analysis helps analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

It outlines the current trends and future estimations of the market from 2019 to 2027 to understand the prevailing opportunities and potential investment pockets.

The major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, and opportunities and their detailed impact analysis are explained in the study.

The profiles of key players and their key strategic developments are enlisted in the report.

1.2. Key market segments

By Metal

Aluminum

Steel

Titanium

Others

By Foam Material

With Foam

Aluminum

Glass Wool

Expanded Polystyrene

Polyurethane

Others

Without Foam

By Application

Aerospace

Architectural

Construction

Locomotive & Automotive

Marine

Military

Civil

Industrial

Chemical

Oil & Gas

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

U.K.

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key players in the global multi metal aluminum sandwich panels market are:

1. Kingspan
2. Metecno
3. Isopan
4. Arcelormittal
5. Fischer Profil
6. Isomec
7. Gcs
8. Jingxue
9. Marcegaglia
10. Dana Group

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