

Oriented Strand Board (OSB) - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Oriented Strand Board Market size is estimated at 39.80 million cubic meters in 2025, and is expected to reach 50.79 million cubic meters by 2030, at a CAGR of greater than 5% during the forecast period (2025-2030).

COVID-19 negatively impacted the market. The pandemic caused disruptions in construction activity, particularly during the initial phases of lockdowns. Many construction projects were postponed or canceled, leading to decreased demand for OSB in the construction sector. As lockdown restrictions eased and vaccination efforts progressed, construction activity began to rebound, leading to increased demand for OSB products in the construction sector.

Key Highlights

- Factors such as the growing importance of OSB as a substitute for plywood and the growth of the construction sector are expected to drive the oriented board market.
- On the other hand, emissions of volatile organic compounds (VOCs) like formaldehyde are likely to slow the growth of the market.
- Increasing applications of OSB in structural insulated panels and the recovering European construction industry are likely to act as opportunities in the future.
- North America dominated the market across the world, with the most significant consumption coming from the United States.

Oriented Strand Board Market Trends

The Construction Segment to Dominate the Market

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- Oriented strand boards are widely used in the construction sector for applications such as flooring, walls, roof sheathing, and subflooring. Their versatility makes them suitable for various residential, commercial, and industrial construction projects.
- Oriented strand boards offer excellent structural strength and dimensional stability, making them suitable for load-bearing applications. OSBs can withstand the rigors of construction and provide long-lasting performance in various environmental conditions.
- According to data from the European Commission, construction production grew by 1.9% in December 2023 compared to December 2022 across the euro area and 2.4% across the European Union. The year-on-year average increase in construction production in 2023 compared to 2022 was 0.2% for the euro area and 0.1% for the European Union.
- According to Eurostat, the annual average production of buildings in the euro area and the European Union increased by 0.2% and 0.1%, respectively, in 2023 compared to 2022.
- According to the National Bureau of Statistics (NBS), in China, the construction industry's business activity index (BASI) rose to 56.9 as of December 2023 from 55.9 in November 2023. A BASI score above 50 indicates growth in the industry, and the October 2023 BASI score was 53.5.
- India's construction industry is projected to grow to USD 1.4 trillion by 2025. By 2030, an estimated 600 million people will live in urban centers, resulting in a need for 25 million additional mid- and ultra-luxury units. Under the National Investment Plan (NIP), India has an infrastructure investment budget of USD 1.4 trillion, with 24% of the budget earmarked for renewable energy, roads and highways, and urban infrastructure and 12% for railways.
- According to the latest estimate released by the Ministry of Land, Infrastructure, Transport and Tourism in January 2024, in 2023, construction works for around 366.8 thousand detached houses and 379.71 apartments were launched in Japan.
- Thus, in the upcoming years, the oriented strand boards market is expected to be driven by the growing construction market in all regions.

North America to Dominate the Market

- North America has a robust construction industry, with a high demand for building materials like oriented strand boards in residential, commercial, and industrial construction projects. The region's large population and urbanization trends drive continuous construction activity, contributing to the dominance of the oriented board market.
- North American construction practices often favor wood-based building materials due to their availability, cost-effectiveness, and ease of installation. OSB, being an engineered wood product, fits well with this preference, leading to its widespread use across various construction applications.
- The United States has a massive construction industry, which plays an important role in the establishment of businesses, industries, institutions, homes, infrastructure, energy, and public utilities. The country's annual construction expenditure from January to December 2022 was estimated at USD 1,677.2 billion. In addition, construction spending in the United States increased by 1.3% in February, compared to a seasonally adjusted annual rate of USD 1.677 trillion in January 2022.
- According to the estimate released by the US Census Bureau, the total value of building and construction activities in the United States increased by more than USD 131 billion in 2023.
- Furthermore, according to the estimate released by the US Census Bureau, the number of new privately owned residential houses in the United States was approximately 1.4 million units in January 2024.
- All the factors mentioned above are expected to boost the growth of the market studied in North America.

Oriented Strand Board Industry Overview

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The oriented strand board (OSB) market is consolidated in nature, with the top five players accounting for a significant portion of the global market. The major players in the market include Norbord Inc. (West Fraser), Louisiana-Pacific Corporation, Kronospan Limited, Georgia-Pacific Wood Products LLC, and Weyerhaeuser Company.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Report

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Drivers
 - 4.1.1 Growing Prominence of OSB as a Substitute to Plywood
 - 4.1.2 Growth in the Construction Industry
- 4.2 Restraints
 - 4.2.1 Emissions of Volatile Organic Compounds (VOCs), such as Formaldehyde
 - 4.2.2 Other Restraints
- 4.3 Porter's Five Forces Analysis
 - 4.3.1 Bargaining Power of Suppliers
 - 4.3.2 Bargaining Power of Consumers
 - 4.3.3 Threat of New Entrants
 - 4.3.4 Threat of Substitute Products and Services
 - 4.3.5 Degree of Competition

5 MARKET SEGMENTATION (Market Size by Volume)

- 5.1 By Grade
 - 5.1.1 OSB/1
 - 5.1.2 OSB/2
 - 5.1.3 OSB/3
 - 5.1.4 OSB/4
- 5.2 End-user Application
 - 5.2.1 Furniture
 - 5.2.1.1 Residential
 - 5.2.1.2 Commercial
 - 5.2.2 Construction
 - 5.2.2.1 Floor and Roof
 - 5.2.2.2 Wall
 - 5.2.2.3 Door
 - 5.2.2.4 Column and Beam

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- 5.2.2.5 Staircase
- 5.2.2.6 Other Constructions (Partitions)
- 5.2.3 Packaging
 - 5.2.3.1 Food and Beverage
 - 5.2.3.2 Industrial
 - 5.2.3.3 Pharmaceutical
 - 5.2.3.4 Cosmetics
 - 5.2.3.5 Other Packaging (Reusable Packaging)
- 5.3 Geography
 - 5.3.1 Asia-Pacific
 - 5.3.1.1 China
 - 5.3.1.2 India
 - 5.3.1.3 Japan
 - 5.3.1.4 South Korea
 - 5.3.1.5 Thailand
 - 5.3.1.6 Indonesia
 - 5.3.1.7 Malaysia
 - 5.3.1.8 Vietnam
 - 5.3.1.9 Rest of Asia-Pacific
 - 5.3.2 North America
 - 5.3.2.1 United States
 - 5.3.2.2 Canada
 - 5.3.2.3 Mexico
 - 5.3.2.4 Rest of North America
 - 5.3.3 Europe
 - 5.3.3.1 Germany
 - 5.3.3.2 United Kingdom
 - 5.3.3.3 Italy
 - 5.3.3.4 France
 - 5.3.3.5 Spain
 - 5.3.3.6 Turkey
 - 5.3.3.7 Russia
 - 5.3.3.8 NORDIC
 - 5.3.3.9 Rest of Europe
 - 5.3.4 South America
 - 5.3.4.1 Brazil
 - 5.3.4.2 Argentina
 - 5.3.4.3 Colombia
 - 5.3.4.4 Rest of South America
 - 5.3.5 Middle East and Africa
 - 5.3.5.1 Saudi Arabia
 - 5.3.5.2 South Africa
 - 5.3.5.3 Nigeria
 - 5.3.5.4 Egypt
 - 5.3.5.5 Qatar
 - 5.3.5.6 UAE
 - 5.3.5.7 Rest of Middle East and Africa

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6 COMPETITIVE LANDSCAPE

6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements

6.2 Market Share (%) Analysis

6.3 Strategies Adopted by Leading Players

6.4 Company Profiles

6.4.1 Arbec Forestry Products Inc.

6.4.2 Coillte

6.4.3 EGGER

6.4.4 Georgia-Pacific Wood Products LLC

6.4.5 Huber Engineered Woods LLC

6.4.6 Kronospan Limited

6.4.7 Louisiana-Pacific Corporation

6.4.8 Norbord Inc. (West Fraser)

6.4.9 RoyOMartin

6.4.10 Sonae Arauco

6.4.11 SWISS KRONO Group

6.4.12 Tolko Industries Ltd

6.4.13 Weyerhaeuser Company

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

7.1 Increasing Application of OSB in Structural Insulated Panels (SIPS)

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