

**Cross-Laminated Timber Market Report by Application (Residential, Educational Institutes, Government/Public Buildings, Commercial Spaces), Product Type (Custom CLT, Blank CLT), Element Type (Wall Panels, Flooring Panels, Roofing Slabs, and Others), Raw Material Type (Spruce, Pine, Fir, and Others), Bonding Method (Adhesively Bonded, Mechanically Fastened), Panel Layers (3-Ply, 5-Ply, 7-Ply, and Others), Adhesive Type (PUR (Polyurethane), PRF (Phenol Resorcinol Formaldehyde), MUF (Melamine-Urea-Formaldehyde), and Others), Press Type (Hydraulic Press, Vacuum Press, Pneumatic Press, and Others), Storey Class (Low-Rise Buildings (1-4 Storeys), Mid-Rise Buildings (5-10 Storeys), High-Rise Buildings (More than 10 Storeys)), Application Type (Structural Applications, Non-Structural Applications), and Region 2024-2032**

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## Abstracts

The global cross-laminated timber market size reached US\$ 1,586.5 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 3,715.8 Million by 2032, exhibiting a growth rate (CAGR) of 9.6% during 2024-2032. The market is experiencing steady growth driven by the escalating shift towards green building

practices, supported by government regulations and eco-friendly building standards, increasing environmental awareness among consumers, and the growing demand for sustainable construction materials.

#### Cross-Laminated Timber Market Trends: Environmental benefits and sustainability

CLT is gaining traction primarily due to its environmental benefits. As a sustainable material, it significantly reduces the carbon footprint of construction projects. Unlike conventional building materials such as concrete and steel, CLT is produced from timber, a renewable resource. This aspect contributes to lower carbon emissions during the manufacturing process and enables the material to act as a carbon sink, effectively storing carbon dioxide absorbed by trees. Additionally, the increasing emphasis on green building practices and eco-friendly materials in global construction standards, including LEED and BREEAM certifications, is propelling the demand for CLT. This environmentally conscious shift is a critical factor propelling the market forward, as it aligns with global efforts to combat climate change and promote sustainability in construction.

#### Advancements in building technology

The growth of the market is significantly influenced by advancements in building technology. CLT's compatibility with digital fabrication techniques, including CNC (Computer Numerical Control) machining, allows for high precision and customization in building components. This technological synergy enhances the efficiency of construction processes, enabling faster project completion times compared to traditional construction methods. Furthermore, CLT's structural properties, offering strength and durability comparable to steel and concrete, have expanded its applications in multi-story buildings. The integration of CLT in modern construction is being driven by innovations in engineering and design, fostering a new wave of architectural possibilities. These technological advancements improve the material's performance and broaden its appeal in diverse construction projects, from residential to commercial and public buildings.

#### Regulatory support and standardization

The expansion of the market is further bolstered by increasing regulatory support and standardization. Governments and international building codes are progressively recognizing and incorporating CLT due to its sustainability and safety profile.

Amendments in building codes, particularly in North America and Europe, to accommodate and encourage the use of CLT in construction projects, have played a pivotal role in market growth. This regulatory change is accompanied by the development of standards for CLT production and usage, ensuring quality and safety in its application. As these standards become more prevalent, they instill confidence in architects, engineers, and builders to adopt CLT in a wider range of projects. This regulatory landscape legitimizes the use of CLT and propels its growth by facilitating wider adoption and integration into mainstream construction practices.

#### Cross-Laminated Timber Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2024-2032. Our report has categorized the market based on application, product type, element type, raw material type, bonding method, panel layers, adhesive type, press type, storey class, and application type.

#### Breakup by Application:

- Residential
- Educational Institutes
- Government/Public Buildings
- Commercial Spaces

Residential accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the application. This includes residential, educational institutes, government/public buildings, and commercial spaces. According to the report, residential represented the largest segment.

#### Breakup by Product Type:

- Custom CLT
- Blank CLT

Custom CLT holds the largest share in the industry

A detailed breakup and analysis of the cross-laminated timber market based on the product type has also been provided in the report. This includes custom CLT and blank CLT. According to the report, custom CLT accounted for the largest market share.

### Breakup by Element Type:

- Wall Panels
- Flooring Panels
- Roofing Slabs
- Others

Wall Panels represents the leading market segment

The report has provided a detailed breakup and analysis of the market based on the element type. This includes wall panels, flooring panels, roofing slabs, and others. According to the report, wall panels accounted for the largest market share.

### Breakup by Raw Material Type:

- Spruce
- Pine
- Fir
- Others

Spruce exhibits a clear dominance in the market

A detailed breakup and analysis of the cross-laminated timber market based on the raw material type has also been provided in the report. This includes spruce, pine, fir, and others. According to the report, spruce accounted for the largest market share.

### Breakup by Bonding Method:

- Adhesively Bonded
- Mechanically Fastened

Adhesively bonded dominates the market

A detailed breakup and analysis of the cross-laminated timber market based on the bonding method has also been provided in the report. This includes adhesively bonded and mechanically fastened. According to the report, adhesively bonded accounted for the largest market share.

### Breakup by Panel Layers:

- 3-Ply
- 5-Ply
- 7-Ply
- Others

3-Ply is the predominant market segment

A detailed breakup and analysis of the cross-laminated timber market based on the panel layers has also been provided in the report. This includes 3-ply, 5-ply, 7-ply, and others. According to the report, 3-ply accounted for the largest market share.

### Breakup by Adhesive Type:

- PUR (Polyurethane)
- PRF (Phenol Resorcinol Formaldehyde)
- MUF (Melamine-Urea-Formaldehyde)
- Others

PUR (Polyurethane) accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the adhesive type. This includes PUR (polyurethane), PRF (phenol resorcinol formaldehyde), MUF (melamine-urea-formaldehyde), and others. According to the report, PUR accounted for the largest market share.

### Breakup by Press Type:

- Hydraulic Press
- Vacuum Press
- Pneumatic Press
- Others

Hydraulic Press holds the largest share in the industry

A detailed breakup and analysis of the cross-laminated timber market based on the press type has also been provided in the report. This includes hydraulic press, vacuum press, pneumatic press, and others. According to the report, hydraulic press accounted

for the largest market share.

#### Breakup by Storey Class:

Low-Rise Buildings (1-4 Storeys)

Mid-Rise Buildings (5-10 Storeys)

High-Rise Buildings (More than 10 Storeys)

Low-rise buildings (1-4 storeys) represent the leading market segment

A detailed breakup and analysis of the cross-laminated timber market based on the storey class has also been provided in the report. This includes low-rise buildings (1-4 Storeys), mid-rise buildings (5-10 Storeys), and high-rise buildings (more than 10 Storeys). According to the report, low-rise buildings accounted for the largest market share.

#### Breakup by Application Type:

Structural Applications

Non-Structural Applications

Structural Applications exhibits a clear dominance in the market

A detailed breakup and analysis of the cross-laminated timber market based on the application type has also been provided in the report. This includes structural applications and non-structural applications. According to the report, structural accounted for the largest market share.

#### Breakup by Region:

Europe

Austria

Germany

Italy

Switzerland

Czech Republic

Spain

Norway

Sweden

United Kingdom  
North America  
United States  
Canada  
Asia-Pacific  
Australia  
New Zealand  
Japan  
China  
Taiwan

Europe leads the market, accounting for the largest cross-laminated timber market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include Europe (Austria, Germany, Italy, Switzerland, Czech Republic, Spain, Norway); North America (the United States, Canada); Asia Pacific (Australia, New Zealand, Japan, China, Taiwan). According to the report, Europe accounted for the largest market share.

The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Stora Enso  
KLH  
Binderholz  
Mayr Melnhof  
Hasslacher  
XLam Limited  
Sterling Lumber  
Shilliger Holz AG  
Eugen Decker Holzindustrie KG  
Structurlam  
SmartLam  
Meiken Lamwood Corp.

Key Questions Answered in This Report

1. How big is the cross laminated timber market?
2. What is the CLT market forecast?
3. What are the key factors driving the global cross-laminated timber market?
4. What can be the impact of COVID-19 on the global cross-laminated timber market?
5. What is the breakup of the global cross-laminated timber market based on the application?
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14. What is the breakup of the global cross-laminated timber market based on the application type?
15. What are the key regions in the global cross-laminated timber market?
16. Who are the key players/companies in the global cross-laminated timber market?



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