

Technical Data Sheet

PRODUCT: Lumber



Standard Dimensions:

T30mm* W70mm* L2450mm

T39mm* W145mm* L2450mm

Specifications Properties	Length/mm	Width/mm	Thickness/mm
Tolerance	±0.5	±0.2	±0.5

PRODUCT DESCRIPTION

Chambroad wood is processed from fast growing trees, which is eco-friendly. By biomass modification without destroying the tissue and fiber of the wood itself, this process can effectively improve the properties and increase the utilization value of wood by changing the inferiority of its internal structure. Make it has high durability, high fire-rating, and high stability excellent quality.

TECHNICAL PROPERTIES

Properties	Standard
Material	Poplar
Density(g/cm ³)	0.85-1.2
Moisture Content (%)	8-12
Hardness (HD)	73.5
Bending Strength (N/mm ²)	130(EN310: 1993)
Modulus of Elasticity (MPa)	19380(GB/T 17657-2013)
Absorbent Thickness Expansion Rate (%) (24H)	1.2(GB/T 17657-2013)
Compressive of Parallel Grain (MPa)	82.2(GB/T 1935-2009)
Compressive of Cross Grain (MPa)	30.2(GB T 14017-2009)
Warping Rate (‰)	< 5
Slip Resistance (flat)	27°-C (DIN 51097:1992-11)
Slip Resistance (reeded)	32.8°-C (DIN 51097:1992-11)
Reaction to Fire (flooring)	Class B _{fl} -s1 (EN13501-1)
Thermal Conductivity (25°C)/[W/(m.K)](m.K)	0.120 (GB/T 10294-2008)
Mold Resistance	Class 0 (EN ISO 846 expected)
Fungi Resistance	DC1 (EN350 expected)
Release of Formaldehyde (mg/L)	<0.0125 (GB/T 17657-2013)



Shandong Chambroad Timber Material Co., Ltd. | **Address:** Economic Development Zone, Boxing County, Shandong Province, China | **Email:** info.timber@chambroad.com

Termite Resistance for Timber	DCD (EN117-2012 expected) Grade 9 (GB/T18260-2015)
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TRANSPORTATION & STORAGE

Transportation:

- Chambroad Timber adopts delivery methods as per the order requirements and approved by the customer.
- Handle with care during unloading, preferably using forklifts or cranes.

Storage:

- Timber, jointed boards, or painted coatings that require further processing should be stored with caution.
- Warehouses should be well-ventilated, with temperatures controlled between +20°C to +35°C and relative humidity controlled between 40% to 60%.
- Products should not be stored in warehouses with pests and/or unsuitable conditions.
- When not in use, maintain the original packaging, securely fasten bundles from top to bottom to prevent damage from weather and other factors.
- Stack products horizontally on the ground, with each pallet equipped with pallet shoes.
- Bottom pallets should be placed on an even foundation of pads or pallets.
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- The spacing between spacer blocks should not exceed 600mm, and the starting and ending spacers should not be more than 200mm from the bundle edge.