九思木业 JIU SI WOODS

Technical Data Sheet

Pine Finger Joint Board

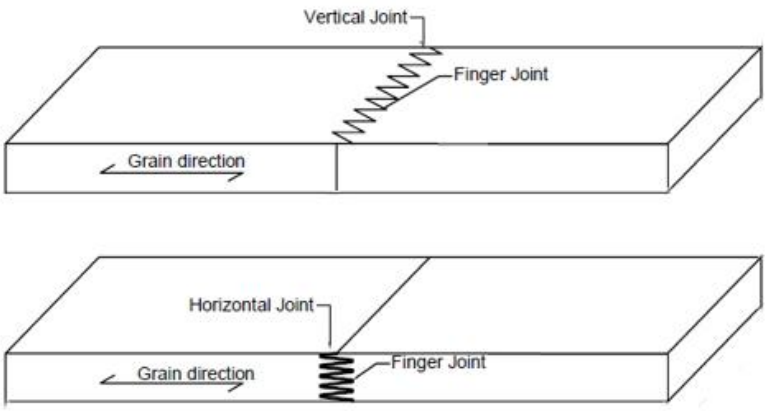
Scope

This document defines the requirements for finger-jointed Radiata Pine boards, primarily intended for interior applications including but not limited to: furniture components, cabinet framing, doors, paint-grade millwork, shelving, and architectural joinery.

Products Description

Pine finger joint board is a stable, cost-effective wood product made by gluing short pieces of pine together in a "finger-like" pattern to create longer, stronger planks. It's ideal for construction and furniture due to its high stability, resistance to warping, and ease of processing. Applications include molding, trim, cabinetry, furniture, ;and paneling, though the visible joints can affect aesthetic choices for finishing.

Technical Specification

Wood Materials	Radiata Pine
Botanical name	Pinus radiata
Joint Type	Vertical(Face or Visible) Finger Joint and Horizontal(Side or Hidden) Finger Joint 
Sizes	Standard length*width: 2440*1220mm Common Thickness: 8mm-45mm. The dimensions could be produced as customized.
Tolerance	Thickness: ±0.2mm; Width : ±1mm; Length: ±1mm. Available on request.
Color and Finish	Raw Wood Color or Carbonized or Varnished,etc. Produce as customized. Delicate Sanding
Grade Level	AA, AB,BB, CC,etc
Glue	SGS Certified E0 level Wood Puzzle Glue >Non-toxic.Healthy and Eco-friendly, >Fast setting time and strong viscosity >Excellent water resistance, heat resistance and solvent resistance
Moisture Content	6%-12% at time of packaging and shipment. Measured according to ASTM D4442.





Physical & Mechanical Properties

Property	Test Method	Value / Requirement
Density	ASTM D2395	Approx. 480 kg/m³
Modulus of Rupture (MOR)	ASTM D143	≥ 60 MPa (8,700 psi)
Modulus of Elasticity (MOE)	ASTM D143	≥ 8.0 GPa (1,160,000 psi)
Joint Strength	ASTM D905	Shear strength of joint shall exceed the strength of the solid wood.
Bending/ Compression Strength	ASTM D143	> 20 MPa
Dimensional Stability	-	Boards shall be stable and resist warping, twisting, and bowing when stored properly.

Workability

This product is designed to be worked with standard woodworking tools. It can be sawn, planed, routed, sanded, drilled, and shaped. It holds screws and nails excellently. It is intended to be primed and painted.

Handling & Storage

*Store in a dry, well-ventilated, and covered area.

*Protect from direct moisture and weather exposure.

*Stack flat on a level, raised platform to prevent twisting and bending.

Health & Safety

*Use standard personal protective equipment (PPE) such as dust masks and safety glasses when cutting or sanding.

*Wood dust is combustible. Maintain a clean work environment to minimize fire hazard.

Disclaimer:

This specification is intended as a guide. The manufacturer reserves the right to modify these specifications without notice. Performance may vary based on environmental conditions and application. It is the customer's responsibility to test and determine the suitability of the product for their specific use.