

Todomatsu - Japanese White Fir: Specification Sheet



<u>Scientific Name:</u>	Abies Sachalinensis
<u>Distribution:</u>	Native to Hokkaido and the southern Kuril Islands
<u>Average Dried Weight:</u>	430 kg/m ³
<u>Specific Gravity (Basic, 12% MC):</u>	0.38 – 0.42
<u>Janka Hardness:</u>	~1,850 N
<u>Modulus of Rupture:</u>	64 MPa
<u>Elastic Modulus:</u>	7,800 GPa
<u>Crushing Strength:</u>	32 MPa
<u>Shrinkage (From green MC to oven dry MC):</u>	Radial: 2.08% Tangential: 6.00%

Wood Color:

Cream-white to pale yellow-brown heartwood with minimal contrast to sapwood. Slight ambering over time.

Grain / Texture:

Straight grain, fine and even texture. Easy to plane, sand, and glue; yields a clean surface finish.

Rot Resistance / Durability:

Low to moderate. Best suited for protected or interior applications unless treated.

Aroma:

Subtle resinous fir scent, clean and refreshing.

Applications:

Structural framing, paneling, furniture, joinery, and interior millwork.

Sustainability:

Harvested from forests maintained through generations of sustainable forestry.

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