

PRODUCT NO.:	XXXX-XXX-XX. XX	Product Category	Finish
PRODUCT NAME:	Aspen / Thermo- Aspen Timber	REF. NO.	

IMAGE



Material Information:

SUPPLIER	Luxawell	DETAILED DESCRIPTION	
Standard Size(mm)	STP – 15x90, 15x125 – lengths 1200 - 3000 STS4 – 15x90, 15x140 – lengths 1200 – 3000 SHP – 28x90. 28x140 – lengths 1200 - 3000	Latin Name	<i>Populus Tremula</i>
ORIGIN OF SUPPLY	Europe	Also known as	Aspen, Common Aspen, European Aspen
Treatability	Difficult	Wood Type	Softwood
Hit and Miss	Front/Top – not allowed. Back – max ½ of board width	Moisture content	8 to 10%
Wane	Front/Top – not allowed. Back – allowed, but must not affect installation	Mechanical Defects	Front/Top – not allowed. Back – allowed, but must not affect installation
Surface Checks	Front/Top – not allowed. Back – allowed	Shakes	Front/Top – not allowed. Back – not allowed.
Feed roller marks	Front/Top – not allowed. Back – allowed, but must not affect installation	Density (mean, Kg/m³)	430–450 kg/m³, 10–15 mm
End shakes	Front/Top - Max length 10 mm. Back - -	Pin Knots	Front/Top – max 3mm, unlimited number. Back - allowed
Knot Holes	Front/Top – not allowed. Back – allowed if not through the whole board	Dead Knots	Front/Top – not allowed. Back – allowed.
Broken Knots	Front/Top – not allowed. Back – allowed	Natural Structures around Knots	Front/Top – allowed. Back - allowed
Scars	Front/Top – not allowed. Back – allowed	Discoloration	Front/Top – Aspen – allowed but must be uniform throughout the board – Thermo-Aspen – allowed. Back – Aspen – allowed – Thermo-Aspen - allowed
Rot/Mold/Blue Stain	Front/Top – not allowed. Back – max 5% of surface area	Insect holes	Front/Top – not allowed. Back – not allowed
Texture	Medium	Availability	Readily available



Twist	Front/Top – bench boards, max 6mm per meter and wall panels, max 9mm, per meter. Back - -	Bow	Front/Top – bench boards max 15mm per meter. Wall panels max 25mm per meter Back - -
Spring/Crook	Front/Top – bench boards, max 6mm per meter and wall panels, max 10mm, per meter. Back - -	Cupping	Front/Top – max 25% of the board width
Production Tolerances	Front/Top – Thickness $\pm 0.5\text{mm}$, cover width $\pm 2.5\%$, length $+10\text{mm} / -3\text{mm}$ per meter Back - -		
Drying	Dries fairly easily, without undue degrade	Strength	As a hardwood it has half the strength of red oak, nonetheless it is strong enough to use in home building
Use	Internal use	Colour	White / Cream
Working Qualities	Aspen is particularly well suited for use in Saunas as it secretes no sap, produces no splinters and does not get hot. Thanks to its even texture it is perfect for painting.		