



ATOZ WOOD COMPANY

TECHNICAL DATA

● NORWAY SPRUCE TIMBER ●

CONTACT INFORMATION

ASPECT

- WEBSITE
- EMAIL
- PHONE
- DATA SHEET DATE
- WOOD SAMPLE

DETAIL

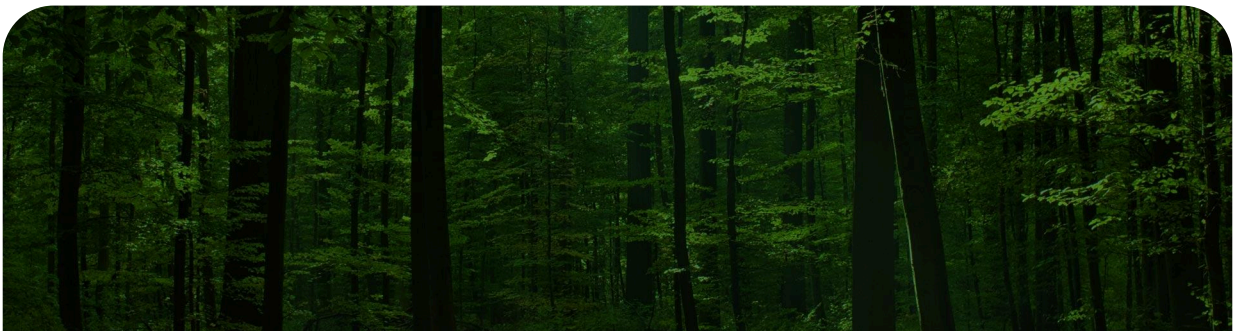
- WWW.ATOZWOODCOMPANY.COM
- INFO@ATOZWOODCOMPANY.COM
- +237 681 25 6934
- 03/31/2023



SPECIES IDENTIFICATION & GENERAL CHARACTERISTICS

- TRADE NAME
- LATIN NAME
- ORIGIN
- SAPWOOD
- COLOR
- GRAIN
- TEXTURE
- HARDNESS
- MOVEMENT
- DRYING
- SURFACE

- NORWAY SPRUCE
- PICEA ABIES
- NORTH & CENTRAL EUROPE
- DISTINCTLY DEMARCATED
- CREAMY WHITE TO YELLOW
- STRAIGHT GRAIN
- FINE, EVEN TEXTURE
- JANKA: ~1,680 N / 380 LBF
- SMALL
- DRIES RAPIDLY & EASILY
- PAINTS, STAINS, AND GLUES



PHYSICAL CHARACTERISTICS

PROPERTY	VALUE
• DENSITY (SPECIFIC GRAVITY)	• 400 – 470 KG/M ³ (0.40–0.47)
• DENSITY AT 12% HUMIDITY (MV12)	• ~430 KG/M ³
• COEFF. OF VOLUMETRIC SHRINKAGE	• 0.36 – 0.40%
• FIBER SATURATION POINT	• 28 – 30%
• TOTAL TANGENTIAL SHRINKAGE (TS)	• 7.5 – 8.2%
• TOTAL RADIAL SHRINKAGE (RS)	• 3.6 – 4.0%
• TS/RS RATIO	• ~2.05
• CRUSHING STRENGTH	• 38 – 44 MPA

DURABILITY

PROPERTY	CLASSIFICATION	NOTES
• USE CLASS	• CLASS 1-2	Interior Dry / Protected Exterior
• FUNGI RESISTANCE	• CLASS 4	Slightly Durable
• TERMITE RESISTANCE	• CLASS S	Susceptible
• DRY WOOD BORERS	• SUSCEPTIBLE	Requires Protection/ Treatment
• TREATABILITY	• CLASS 3-4	Poorly Permeable

Notes On Durability: The Duration Of Performance May Be Modified By The Situation In Service (As Described By Standard NF EN 335-2 Of January 2007).

PRODUCT USE & AVAILABILITY

Light Construction Framing, Roof Trusses, Paper Pulp, Soundboards For Violins/Pianos, Interior Joinery, Cladding, Crates, And Plywood.

Available Forms:	Construction Lumber, Sawn Planks, Kiln-Dried Battens, Glulam Beams.
Certifications:	FSC / PEFC Certified (Sustainably Managed European Forests).
Minimum Order:	25 CBM
Supply Ability:	3,000 M ³ /Month.

HANDLING, STORAGE, AND RECYCLING

ASPECT	INSTRUCTION
• Machining	• Easy To Cut, Plane, And Saw With Both Hand And Machine Tools; Sharp Cutters Prevent Fuzzy Edges.
• Fastening	• Good Nail And Screw Holding Strength; Takes Glue Easily.
• Sound Resonance	• High Strength-To-Weight Ratio Makes It The Premier Choice For Acoustic Soundboards.
• Preservation	• Heartwood Is Resistant To Impregnation; Pressure- Treating Options Available For Sapwood.

WHY GLOBAL BUYERS CHOOSE ATOZ WOOD COMPANY



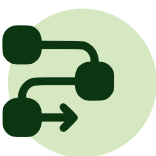
Variety Of Products



Sustainable Supply
And Reasonable Price



High Quality Products



Easy Ordering Process



Loyal Vendor And Thousands
Of B2B Partners All Over
The World.



Order By Air Or By Sea
Based On Incoterm
2010.

WE PROVIDE CUSTOMERS WITH ALL THE NECESSARY DOCUMENTS, INCLUDING-



(CITES)



(FSC)



(CERTIFICATE OF ORIGIN)



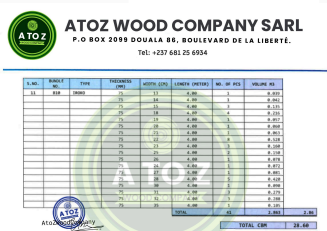
(Phytosanitary Certificate)



(Fumigation)



(ISO)



(PACKING LIST)



Certification Subject To Availability



EUTR

FLEGT
licensed timber

PAYMENT TERM:

1. Cash In Advance: Half The Payment Is Made Upfront, And The Rest Is To Be Paid Upon Delivery. The Percentage Of Cash To Be Paid In Advance Is Negotiable.
2. Atoz Wood Comapny Accepts Payment By T/T, Bank To Bank Transfer For New Buyers And Letter Of Credit For Loyal Old Customers.

WE PROVIDE MAJOR EXPORT CERTIFICATES SUCH AS

- ☐ Commercial Invoice
- ☐ Packing List
- ☐ Bill Of Lading
- ☐ Phytosanitary Certificate
- ☐ Kiln-Drying Certificate
- ☐ Certificate Of Origin
- ☐ Insurance Certificate
- ☐ CITES
- ☐ Fumigation Certificate (If Required)
- ☐ Inspection Reports

DISCLAIMER

AtoZ Wood Company Declines All Responsibility In The Event Of An Error Or In The Event Of A Reassessment Of The Technical Characteristics Mentioned In The Document By CIRAD After Publication Of The Species Sheets