

# GLUED LAMINATED TIMBER | PROFILES

GENERAL INFORMATIONS	
Merchandise category	Glue laminated timber profiles
Timber species	European oak (Quercus robur - Quercus petraea)
Production site	Elda Dvro Doo, Croazia; Lipovljani Lignum Doo, Croatia
Colour	Natural oak colour
Service class	1
Use class	3 (CEN/TS 13307-2: 2009)

**DESCRIPTION:**

These profiles are composed by 3 or more glued layers, with or without finger-jointed lamellae. Depending on the type and composition we offer: DKD, DKK, KKK, DKA, DAA.

- D means massive plies (continuous lamellas)
- K means finger-jointed lamellas
- A means longer finger-jointed lamellas, minimum at 600mm

**DIMENSION:**

The products has various dimensions that depend on clients' demand.

**USE:**

The product is typically used for windows and frames, hardwood furniture, legs for tables, stairs, etc.



TECHNICAL TESTS		SCANTLING TYPE	RESULTS
Shear strength by tensile loading (D4 type)*	1	DKD	9.4 N/mm <sup>2</sup>
		KKK	9.9 N/mm <sup>2</sup>
	2	DKD	3.6 N/mm <sup>2</sup>
		KKK	4.9 N/mm <sup>2</sup>
	3	DKD	4.1 N/mm <sup>2</sup>
		KKK	4.1 N/mm <sup>2</sup>
Delamination**		DKD	Compliant
		KKK	Compliant
Tensile strength after boiling***		Only finger-joints of KKK	13.7 N/mm <sup>2</sup>
Tensile strength at high temperature****			17.2 N/mm <sup>2</sup>
Bending strength after boiling***			26.3 N/mm <sup>2</sup>

\* Conditioning 1: 7d normal atmosphere (23±2°C and 50±5% r. h.). Conditioning 2: 7d normal atmosphere + 4d cold water (23±2°C). Conditioning 3: 7d normal atmosphere + 6h boiling water + 2h cold water

\*\* Conditioning: 16h in water at 20±5° C + 24±1.5h in the oven at 50±5° C + cooling at 20±2° C and 65±5% r. h.

\*\*\* Conditioning: 4h boiling water + 20h at 65±1°C + 4h boiling water + 1h in water at 20±3°C

\*\*\*\* Conditioning: 6h at 104±3° C

### CERTIFICATION:

There is the possibility to ask for FSC® certified products. The profile finger-joints are IFT Rosenheim certified.

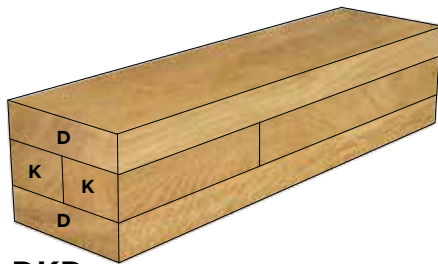


Richiedi il prodotto certificato FSC®



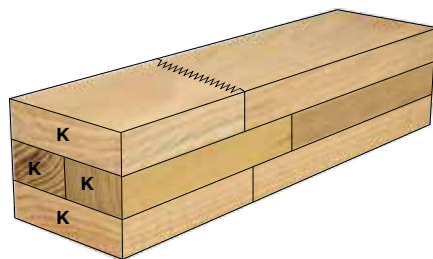
ESSENTIAL FEATURES	PERFORMANCE
Biological Durability	Classes: 2-4 Fungi, D Anobium, M Termite
Impregnation	Classes: 4 Heartwood, 1 Sapwood

Reference Regulations UNI EN 350 Durability of wood and wood-based products.



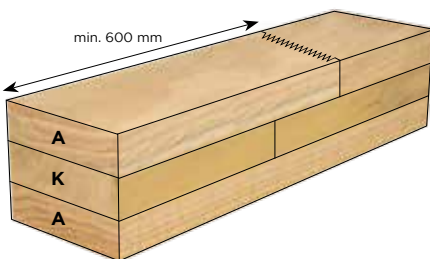
### DKD

Lengths: from 800 to 3500 mm



### KKK

Length: 4500 - 6000 mm



### AKA

Length: 2100 - 4400 mm



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