

# GLUED LAMINATED TIMBER | PANELS

| GENERAL INFORMATIONS  |   |
|-----------------------|---|
| Merchandise category  | Wood panels   |
| Timber species        | European oak (Quercus robur - Quercus petraea)                                    |
| Production site       | Din doo, Elda Dvoro Doo, Lipovljani Lignum Doo - Croatia; Flo.it - Vazzola, Italy |
| Colour                | Natural oak colour  |
| Moisture              | (8±2) % for service class 1 – dry conditions (UNI EN 322:1994)                    |
| Finishing             | Grit 100  |
| Adhesives             | D3 vinyl type (UNI EN 205:2016)   |
| Formaldehyde emission | Classe E1 (UNI EN ISO 12460-3:2015)   |

## DESCRIPTION:

These are very massive panels that maintain their shape perfectly and are used in the wood furniture industry, for high-quality production. Following types are available: solid panel, finger-jointed panel and engineered (3 layers) panel.

### Solid panel

This panel is composed by one oak massive strip. Thickness: 14 to 45 mm. Width: 650-900-1210 mm and others on demand. Length: 800 to 3600 mm. Stave: 40 to 120 mm.

#### Quality classes:

- A: predominantly defects free. Pin knots allowed.
- B: sapwood stripes allowed; sound knots of max 2 cm allowed
- K: sapwood stripes allowed; sound knots of max 3 cm allowed
- R: knots, stains and sapwood allowed
- RR: sapwood, heartwood, woodworm and cracks allowed
- X: sapwood presence on the whole face

### Finger jointed panel:

The finger jointed panel is composed by several wood elements that are joined together through an interlocking system, with the finger joint parts slightly visible. Thickness: 14 to 45 mm. Width: 650-900-1210 mm and others on demand. Length: up to 5000 mm. Stave: 40 to 70 mm.

#### Quality classes:

- A: predominantly defects free. Pin knots allowed
- B: sapwood stripes allowed; sound knots of max 2 cm allowed
- R: knots, stains and sapwood allowed
- X: sapwood presence on the whole face

## Engineered panel (3 layers):

- **100% Oak:** this is the top quality product. The panel is extremely solid, composed by 2 external oak lamellas and an internal 100% oak layer, to confer high stability for every use. Thickness of the top face: 4-3.3 mm. Total thickness 20 mm and others on demand. Standard width 1210 mm. Standard length 2350- 2150- 1850-1175 mm.
- **Birch Plywood:** this is the cheaper alternative. The panel is solid, composed by 2 external oak lamellas and an internal layer of birch plywood. Total thickness 20-26-28 mm and others on demand. Standard width 1210 mm. Standard length 2350- 2150- 1850-1175 mm.

The top face is available in the following quality classes:

- A/B: nice veining; few and small knots; light stain
- K (Character): small to medium sound knots, stain, sapwood up to 10%, mineral streaks are allowed
- R (rustic) : up to 7 cm knots; filled cracks and checks, stain, sapwood, mineral streaks are allowed
- RR (heavy rustic): it is for the worse face
- AB Alburnato (X): as AB but sapwood is allowed.

Quality classes of the top face can be merged together, depending on costumers' demand, in order to obtain different aesthetical results.

### TESTS:

Bonding quality tests for the engineered panel have been done by Catas S.p.A., in compliance with the norm **UNI EN 13354-2009** "Solid wood panels- Bonding quality; test method". The panel respects the requirements of the norm **UNI EN 13353-2011** "Solid wood panels- Requirements".

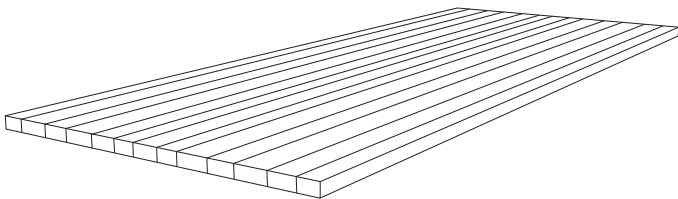
| PANEL TYPE                     | MEAN VALUE OF RESISTANCE |
|--------------------------------|--------------------------|
| 3 layers, 100% Oak (20mm)      | 1.80 MPa                 |
| 3 layers, birch plywood (20mm) | 1.82 MPa                 |

### CERTIFICATION:

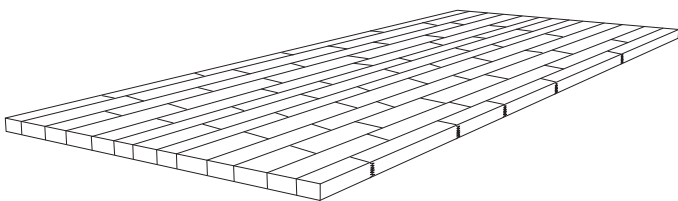
It is possible to ask for FSC® certified panels



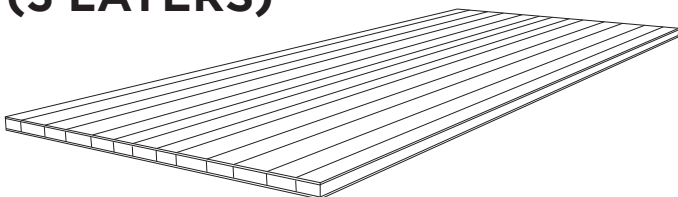
## SOLID PANEL



## FINGER JOINTED PANEL



## ENGINEERED PANEL (3 LAYERS)



**Florian Legno S.p.A.**  
Registered Office: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Production Site: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Tel. +39 0423 4532 - Fax +39 0423 746588  
info@florianinc.com  
TVA registration number - IT00335200267



**Flo.it s.r.l.**  
Registered Office: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Production Site: Via Cal Longa 26 - Zona industriale  
31028 Vazzola (TV) - Italy  
Tel. +39 0438 442195 - Fax +39 0438 443649  
flo.it@florianinc.com  
TVA registration number - IT043040100268



**Fc Legnami s.r.l.**  
Registered Office: Via Castellana 48/a  
31039 Riese Pio X (TV) - Italy  
Production Site: Via Bassanese 75  
31037 Bessica (TV) - Italy  
Tel. +39 0423 470155 - Fax +39 0 423 470633  
fclegnami@florianinc.com  
TVA registration number - IT04634820262



**Iskraleigno s.r.l.**  
Registered Office: Via delle Risorgive 20  
34074 Monfalcone - Italy  
Production Site: Via delle Risorgive 20  
34074 Monfalcone - Italy  
Tel. +39 0481 710670 - Fax +39 0481 723503  
iskraleigno@florianinc.com  
TVA registration number - IT00998770325



**DIN d.o.o. | Drvna Industrija Novoselec d.o.o.**  
Registered Office: Park Hrvatskih Mučenika 4  
10315 Novoselec - Croatia  
Production Site: Park Hrvatskih Mučenika 4  
10315 Novoselec - Croatia  
Tel. +385 12 897026 - Fax: +385 12 897115  
din@din.hr  
TVA registration number - HR09030392140



**ELDA DVRO d.o.o.**  
Registered Office: IV Maksimirsko Naselje 27  
10000 Zagreb - Croatia  
Production Site: IV Maksimirsko Naselje 27  
10000 Zagreb - Croatia  
Tel. +385 15 589294 - Fax +385 13 095506  
info.elda@floriangroup.hr  
TVA registration number - HR31336055559



**Lipovljani Lignum d.o.o.**  
Registered Office: Industrijska 24  
44322 Lipovljani - Croatia  
Production Site: Industrijska 24  
44322 Lipovljani - Croatia  
Tel. + 385 44 692900 - Fax + 385 44 692927  
info@floriangroup.hr  
TVA registration number - HR49775985272



**Otk d.o.o.**  
Registered Office: Vukoviceva 1/A Kaštelanec  
42204 Turčin - Croatia  
Production Site: Vukoviceva 1/A Kaštelanec  
42204 Turčin - Croatia  
Tel. +385 42 645450 - Fax +385 42 645451  
info.otk@floriangroup.hr  
TVA registration number - HR11860069196



**Di Čazma d.o.o.**  
Registered Office: Alojza Vulinca, 28  
43240 Čazma - Croatia  
Production Site: Alojza Vulinca, 28  
43240 Čazma - Croatia  
Tel. +385 43 772320 - Fax +385 43 771801  
info.dic@floriangroup.hr  
TVA registration number - HR48193612203



**Marsolat s.a.s.**  
Registered Office: 3 Rue de la Louvière  
70100 Velesmes Echevanne - France  
Production Site: 3 Rue de la Louvière  
70100 Velesmes Echevanne - France  
Tel. +33 3 84 327452 - Fax +33 3 84 327481  
contact.marsolat@florianinc.com  
TVA registration number - FR78426150025



**Magyarplan k.f.t.**  
Registered Office: 7570 Barcs, hrsz 521/4 - Hungary  
Production Site: 7570 Barcs, hrsz 521/4 - Hungary  
Tel. +36 82 862769 - Fax +36 82 862770  
magyarplan@gmail.com  
TVA registration number - HU11487984

[www.florianinc.com](http://www.florianinc.com)