



## ***Spruce 3-layer Fineline-panel***

Spruce Fineline panels are structured like 3-layer solid wood panels. Both top layers consist of laminated veneer lumber with vertical, black glue joints. The result is a unique, finely lined and decorative surface. The construction of the panel is protected by a design patent.

**Quality:** Both faces, joint – tight, sound (closed) surfaces, sound black knots permitted; calibrated and finely sanded with sanding belt abrasive grain K 60

**Application:** Decorative Spruce 3-S Fineline panels are used in furniture, construction as a non-load bearing panel in interiors, such as wall and ceiling claddings, staircases, exhibition and shop fitting. In the future Spruce 3-S Fineline panels can also be used as load in structural load bearing situations (CE marking is being applied for ).

### **Technical Data:**

<b>thickness</b>	<b>19 mm</b>	<b>26 mm</b>	<b>42 mm</b>	<b>Standard</b>
<b>species</b>	Spruce			
<b>length</b>	5000 mm			
<b>width</b>	2050 mm			
<b>Fineline top layers</b>	5.5 mm	5.5 mm	9.0 mm	
<b>Spruce core layer</b>	8.0 mm	15.0 mm	24.0 mm	
<b>Veneer layer thickness</b>	3.2 mm			
<b>Density at 8% humidity</b>	535 kg/m <sup>3</sup>	515 kg/m <sup>3</sup>	515 kg/m <sup>3</sup>	EN 323
<b>Weight per square meter m<sub>A</sub></b>	10.2 kg/m <sup>2</sup>	13.4 kg/m <sup>2</sup>	21.6 kg/m <sup>2</sup>	
<b>Thermal conductivity λ</b>	0.13 W/mK			EN 13986
<b>Water vapor diffusion resist. factor μ</b>	74/203	71/201	71/201	EN 13986
<b>Airborne sound insulation R</b>	27.1 dB	28.6 dB	31.4 dB	EN 13986
<b>Sound absorbing coefficient 250-500 Hz</b>	0.1			EN 13986
<b>Sound absorbing coefficient 1000-2000 Hz</b>	0.3			EN 13986
<b>Class reaction to fire</b>	D-s2,d0			EN 13986
<b>Specific burning rate β<sub>0,p,t</sub> [mm/min]</b>	0.85	0.74	0.58	EN 1995-1-2

**Gluing:** The gluing is suitable due to the used adhesive systems (MUF and PF) and the distribution moisture of  $u = 8 \pm 2\%$  for use in service classes SWP/1 and SWP/2 acc. to EN 13353. A structurally protected outdoor application in service class SWP/3 is possible after appropriate conditioning. Formaldehyde Emission Class E1 (formaldehyde tested at  $\leq 0.07$  ppm according to EN 717-1)

### **Marking as non load bearing structural component (CE):**

The panels are marked as non load bearing structural component acc. to EN 13986 and EN 13353 on the long edges of the panel and on the pack label.

### **Origin of the Wood - Sustainability:**

All wood raw materials are from sources which are acceptable under forestry law and from sustainably managed forests. The softwood-products of the company TILLY are certified according to PEFC CoC TILLY (PEFC certificate: PEFC/06-38-116; HolzCert Austria).