

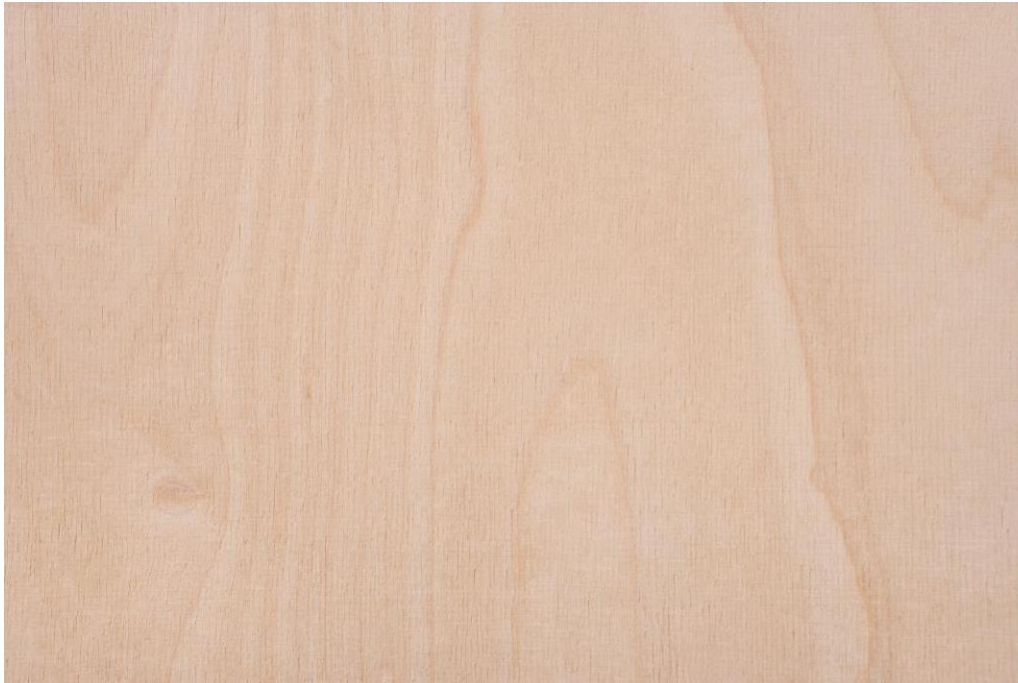
# Paged BirchPly FR

(flame retardant hardwood plywood for walls and ceilings)



<p>Flame retardant hardwood plywood with special veneer construction, fire proofed with an innovative immersion method which provides for the highest fire rating for wood based panels in construction and rolling stock industries. BirchPly FR is used as a construction element in accordance with CE1 (walls and ceilings) as well as HL2 in R1/R7 class for rolling stock manufacturing.</p>		<p><b>KEY BENEFITS AND APPLICATIONS</b></p> <ul style="list-style-type: none"> <li>Main applications areas include: construction industry (schools, hotels, commercial buildings, etc.); rolling stock manufacturing (trams, trains, metros) and transportation (buses, coaches)</li> <li>Special construction</li> <li>Innovative fire impregnation method</li> <li>Highest fire classification for wood products</li> <li>Made in the EU from sustainably sourced wood</li> </ul>		<p><b>STANDARD SIZES* [mm]</b> 1250/1500x2500 1500x3000**</p> <p>*Other formats available on request **Format available for 12-24mm thickness</p> <hr/> <p><b>DIMENSIONAL DEVIATION AS PER EN 315 &amp; EN 324</b></p> <table border="1"> <thead> <tr> <th>Length / Width</th> <th>Deviation</th> </tr> </thead> <tbody> <tr> <td>&lt; 1000 mm</td> <td>± 1 mm</td> </tr> <tr> <td>1000 – 2000 mm</td> <td>± 2 mm</td> </tr> <tr> <td>&gt; 2000 mm</td> <td>± 3 mm</td> </tr> </tbody> </table> <hr/> <p><b>STRAIGHTNESS AND SQUARENESS DEVIATION AS PER EN 315 &amp; EN 324</b></p> <table border="1"> <thead> <tr> <th></th> <th>Deviation</th> </tr> </thead> <tbody> <tr> <td>Straightness</td> <td>± 0,1% or ± 1mm/m</td> </tr> <tr> <td>Squareness</td> <td>± 0,1% or ± 1mm/m</td> </tr> </tbody> </table>		Length / Width	Deviation	< 1000 mm	± 1 mm	1000 – 2000 mm	± 2 mm	> 2000 mm	± 3 mm		Deviation	Straightness	± 0,1% or ± 1mm/m	Squareness	± 0,1% or ± 1mm/m																												
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<p><b>NOMINAL THICKNESS WITH STANDARD DEVIATION, NUMBER OF PLYS, DENSITY AS PER EN 315, EN 323 &amp; EN 324</b></p> <table border="1"> <thead> <tr> <th>Nominal thickness (mm)*</th> <th>Number of plies (pcs)</th> <th colspan="2">Standard deviation (mm)</th> <th>Weight (kg/m<sup>2</sup>)</th> <th>Density avg. (kg/m<sup>3</sup>)</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>9</td> <td>-0,8</td> <td>+0,6</td> <td>8,6</td> <td rowspan="8">720-880**</td> </tr> <tr> <td>15</td> <td>11</td> <td>-0,9</td> <td>+0,7</td> <td>10,8</td> </tr> <tr> <td>18</td> <td>13</td> <td>-0,9</td> <td>+0,7</td> <td>13</td> </tr> <tr> <td>21</td> <td>15</td> <td>-1,0</td> <td>+0,8</td> <td>15,1</td> </tr> <tr> <td>24</td> <td>17</td> <td>-1,1</td> <td>+0,9</td> <td>17,2</td> </tr> <tr> <td>27</td> <td>19</td> <td>-1,8</td> <td>+1,4</td> <td>19,4</td> </tr> <tr> <td>30</td> <td>21</td> <td>-1,9</td> <td>+1,5</td> <td>21,6</td> </tr> </tbody> </table> <p>*Other thicknesses available upon request **As measured at 8-12% moisture content</p>						Nominal thickness (mm)*	Number of plies (pcs)	Standard deviation (mm)		Weight (kg/m <sup>2</sup> )	Density avg. (kg/m <sup>3</sup> )	12	9	-0,8	+0,6	8,6	720-880**	15	11	-0,9	+0,7	10,8	18	13	-0,9	+0,7	13	21	15	-1,0	+0,8	15,1	24	17	-1,1	+0,9	17,2	27	19	-1,8	+1,4	19,4	30	21	-1,9	+1,5	21,6
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<p><b>RELEASE OF FORMALDEHYDE (EN 717-1)</b> ½ E1</p>		<p><b>BONDING QUALITY (EN 314-2)</b> Class 3</p>		<p><b>FIRE CLASSIFICATION (EN 13501-1 / EN 45545-2)</b> B-s1, d0 R1/R7 (HL2)</p>		<p><b>MACHINING</b> Edge machining, CNC machining and drilling on request</p>																																									
<p><b>The product is suitable for laminating or veneering.</b> Recommended adhesive: melamine urea formaldehyde resin (MUF). The recommended amount of glue: 100g/m<sup>2</sup>, but it depends on the type of coating, supplier of glue and used equipment to overlap. When using a different type of adhesive, adhesion tests should be performed on a small surface of plywood.</p>						<p><b>ADDITIONAL INFORMATION</b></p> <ol style="list-style-type: none"> <li>General Terms of Sales available from <a href="https://sklejkapaged.pl/en/home-page/">https://sklejkapaged.pl/en/home-page/</a></li> <li>Declaration of Performance available from <a href="https://sklejkapaged.pl/en/home-page/">https://sklejkapaged.pl/en/home-page/</a></li> <li>Hardwood plywood surface norms and film-faced plywood in house norms available from <a href="https://sklejkapaged.pl/en/home-page/">https://sklejkapaged.pl/en/home-page/</a></li> </ol>																																									

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