

# Russian Birch B Grade

The logo for USply, featuring the text "USply" in white on a dark green, tilted rectangular background.

Category of Defects	Amount of Allowed Defects
Pin knots light	Allowed, not more than 3 per m <sup>2</sup>
Sound intergrown knots light color only permitted	Allowed up to an individual maximum diameter of 15mm with total quantity not more than 5 per m <sup>2</sup>
Any dark knots	Not allowed
Knots and knotholes repairs	Not allowed
Closed splits	Allowed up to an individual maximum length of 100mm and in number, up to 1 per one panel's running meter
Open splits	Not allowed
Irregularities in structure of the wood	Allowed
Hearth and discoloration	Not allowed
Defects at edges due to sanding or sawing	Not allowed
Glue penetration	Not allowed
Sanding trough	Not allowed
Inner plies veneer overlapping	Not allowed

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Category of Defects	Amount of Allowed Defects
Pin knots light	Allowed
Sound intergrown knots light color only	Allowed up to an individual maximum diameter of 25mm with total quantity not more than 10 per m <sup>2</sup>
Other knots and knot holes	Allowed up to an individual maximum diameter of 6mm with total quantity not more than 6 per m <sup>2</sup> . Total number of knots should not exceed 10 per m <sup>2</sup>
Repaired defects (inserts)	Not more than 8 pieces per 1 m <sup>2</sup> of surface
Double inserts	Not allowed
Closed splits	Allowed up to an individual maximum length of 200mm and in number, up to 2 per one panel's running meter
Open splits	Allowed up to an individual maximum length of 200mm, maximum width of 2mm, and in number, up to 2 per one panel's running meter
Irregularities in structure of the wood	Allowed
Hearth and discoloration	Allowed up to 30% of surface
Defects at edges due to sanding or sawing	Allowed up to 4mm from edge
Glue penetration	Allowed up to 2% of surface
Sanding trough	Not allowed
Inner plies veneer overlapping	Allowed up to an individual maximum length of 100mm and in number, up to 1 per one panel's running meter

# Russian Birch CP Grade

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Category of Defects	Amount of Allowed Defects
Sound intergrown knots light color only	Allowed
Other knots and knot holes	Allowed up to an individual maximum diameter of 6mm with total quantity not more than 6 per m <sup>2</sup> . Total number of knots should not exceed 10 per m <sup>2</sup>
Repaired defects (inserts)	Allowed
Double inserts	Allowed
Closed splits	Allowed
Open splits	Allowed up to an individual maximum length of 600mm, maximum width of 5mm, and in number, up to 5 per one panel's running meter
Irregularities in structure of the wood	Allowed
Hearth and discoloration	Allowed
Defects at edges due to sanding or sawing	Allowed up to 4mm from edge
Glue penetration	Allowed up to 5% of surface
Sanding trough	Not allowed
Inner plies veneer overlapping	Allowed up to an individual maximum length of 200mm and in number, up to 2 per one panel's running meter
Hollows, bumps, imprints, roughness	Allowed, but slight, within the panel's thickness tolerance

# Russian Birch C Grade

USply



Category of Defects	Amount of Allowed Defects
Sound intergrown knots light color only	Allowed
Other knots and knot holes	Allowed up to an individual maximum diameter of 40mm
Repaired defects (inserts)	Allowed
Double inserts	Allowed
Closed splits	Allowed
Open splits	Allowed up to an individual maximum width of 10mm
Irregularities in structure of the wood	Allowed
Hearth and discoloration	Allowed
Defects at edges due to sanding or sawing	Allowed up to 5mm from edge
Glue penetration	Allowed
Sanding trough	Allowed
Inner plies veneer overlapping	Allowed
Hollows, bumps, imprints, roughness	Allowed

# Russian Birch General Standards



Standard Thickness, mm	Number of Plies	Sanded Plywood		Not Sanded Plywood	
		Ultimate Thickness Tolerance, mm	Thickness Deviation mm	Ultimate Thickness Tolerance, mm	Thickness Deviation mm
3	3	-0.3	0.6	-1.333333333	0.6
4	3	-0.3	0.6	-2	1
6,7	5	-0.4	0.6	-2.25	1
8,9	7	-0.4	0.6	-2	1
10,11,12	9, 11	-0.5	0.6	-2.2	1
15	11	-0.7	0.6	-1.714285714	1.5
18	13	-0.7	0.6	-1.625	1.5
21	15	-0.8	0.6	-1.555555556	1.5
24	17	-0.9	0.6	-1.5	1.5
27	19	-0.833333333	1	-1.454545455	2
30	21	-0.846153846	1	-1.416666667	2
35	23	-0.866666667	1.2	-1.357142857	2.5
40	31	-0.875	1.2	-1.333333333	2.5

[www.USply.net](http://www.USply.net)

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