

FLAWS IN WOOD AND PROCESSING DEFECTS	B Sel (I)	S Sel (I)	B (I)	S (I)	BBx (II)	BB (II)	CP (III)	WGE (III)	WG (III)	C (IV)	CC (IV)
Allowed											
1. Pin knots	Allowed										
2. Knots: sound, intergrown, light and dark	Not allowed	Allowed: up to 15 mm in diameter, with a shake up to 0.5 mm wide, 5 pc/m ²	Allowed: up to 15 mm, with a shake up to 0.5 mm wide, 5 pc/m ²	Allowed: up to 25 mm in diameter, with a shake up to 1 mm 10 pc/m ²	Allowed: with a shake up to 1 mm wide	Allowed					
3. Partially intergrown knots	Allowed with size and amount according to Item 4 hereby			Allowed within the total amount of intergrown knots up to 15 mm in diameter, 10 pc/m ²			Allowed: up to 40 mm in diameter, no amount restriction				
4. Black knots, loose knots, knot holes (no bark inclusions)	Allowed: up to 6 mm in diameter, 2 pc/m ²	Allowed within the total amount of intergrown knots up to 6 mm in diameter, 3 pc/m ²			Allowed: up to 6 mm in diameter, no amount restriction	Allowed: up to 15 mm in diameter, 7 pc/m ²	Allowed: up to 40 mm in diameter, no amount restriction	Allowed: up to 70 mm in diameter, no amount restriction	Allowed: up to 70 mm in diameter, no amount restriction (bark patches up to 5 mm wide around the knot are allowed)		
5. Close shakes	Allowed: up to 200 mm long, 2 pc/m of the sheet's width	Allowed: up to 200 mm long, 5 pc/m of the sheet's width	Allowed: up to 300 mm long, 5 pc/m of sheet width			Allowed: marginal and medial					

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6. Open shakes, open splits in spliced veneer	Not allowed	Allowed: up to 200 mm long, up to 1 mm wide, 2 pc/m of the sheet's width	Not allowed	Allowed: up to 200 mm long, up to 1 mm wide, 2 pc/m of the sheet's width	Allowed: up to 200 mm long, up to 2 mm wide, 3 pc/m of the sheet's width	Allowed: up to 250 mm long, up to 2 mm wide, 3 pc/m of the sheet's width	Allowed: up to 600 mm long, up to 2 mm wide, 2 pc/m of the sheet's width + allowed up to 600 mm long, up to 5 mm wide if sealed with putty	Allowed: up to 600 mm long, up to 2 mm wide, 2 pc/m of the sheet's width + allowed up to 600 mm long, up to 5 mm wide if sealed with putty	Allowed: up to 600 mm long, up to 5 mm wide, 2 pc/m of the sheet's width	Allowed: up to 800 mm long, up to 10 mm wide, no amount restriction	Allowed: up to 15 mm wide, no amount restriction
7. Timber structure flaws (diagonal grain, swirly grain, burls, bud traces)	Allowed, except for dark bud traces		Allowed								
8. Flaws in wood (inner inbark, light and dark)	Light inbark only is allowed, the dark one is allowed under size and amount requirements for black knots		Light inbark is allowed, the dark one is allowed under size requirements for intergrown knots								
9. Flaws in wood (open inbarks)			Allowed, within the total amount under the black knot requirements								

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10. Sound discoloration (false heartwood)	Not allowed					Allowed: up to 25% of the sheet surface		Allowed: up to 75% of the sheet surface			Allowed
11. Sound discoloration (streaks, streak traces)	Allowed: up to 100 mm long, up to 2 mm wide, 3 pc/m ²	Allowed: up to 175 mm long, up to 2 mm wide, 3 pc/m ²	Allowed: light up to 175 mm long, 4 mm wide, 3 pc/m ²	Allowed: light up to 175 mm long, 4 mm wide, 5 pc/m ²	Allowed: up to 250 mm long, up to 10 mm wide, 10 pc/m ²			Allowed			
12. Sound discoloration (congested streaks)	Not allowed	Allowed: light-colored, up to 30x30 mm, 1 pc/m ²						Allowed			
13. Mineral streaks, sap stains (blue, colored sap stains), wood discoloration during storage	Not allowed	Allowed: up to 5% of the sheet surface	Allowed: up to 30% of the sheet surface		Allowed: up to 50% of the sheet surface (together with false heartwood)			Allowed: up to 75% of the sheet surface (together with false heartwood)		Allowed	
14. Biological damage (wormholes)	Allowed within the total amount under the black knot requirements										

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15. Discoloration with partial wood damage	Not allowed										Allowed as separate stripes up to 30 mm wide, up to 200 mm long, 2 pc/m of the sheet's length
16. Knotting and patching with wooden inserts	Not allowed	Allowed: 1 pc/m ²	Not allowed	Allowed: up to 10 pc/m ²	Not allowed	Allowed: up to 8 pc/m ²	Allowed with a gap up to 1 mm at one side (or up to 0.5 mm at both sides)	Allowed with a gap up to 1 mm at one side (or up to 0.5 mm at both sides)	Allowed		
17. Double patch	Not allowed										Allowed
18. Shake filling Note: Shake filling with patches or putty is subject to agreement with the customer	Not allowed										Allowed
19. Overlap ridges (telegraphing overlaps)	Not allowed										Allowed

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20. Overlap	Not allowed				Allowed: up to 100 mm long, up to 2 mm wide, 1 pc/m of the sheet's width		Allowed: up to 300 mm long, up to 2 mm wide, 2 pc/m of the sheet's width		Allowed: up to 600 mm long, up to 4 mm wide, 2 pc/m of the sheet's width	Allowed	
21. Manufac- turing stains (beam traces, lines)	Not allowed				Allowed: up to 10% of sheets per bundle				Allowed		
22. Glue stain	Not allowed			Allowed: up to 1% of the sheet surface	Allowed: up to 2% of the sheet surface (3 to 21 mm thick plywood) Allowed: up to 5% of the sheet surface (24 mm thick and more)		Allowed: up to 5% of the sheet surface (3 to 21 mm thick plywood) Allowed: up to 10% of the sheet surface (24 mm thick and more)		Allowed: up to 5% of the sheet surface (3 to 21 mm thick plywood), up to 10% of the sheet surface (24 mm thick and more)	Allowed	
23. Mech- anical defects (pinholes, saw cuts)					Allowed within the total amount under the black knot requirements						
24. Scrat- ches, grooves, pimples, ridges			Not allowed				Allowed: up to 0.5 mm deep, up to 120 mm long, up to 10 mm wide	Allowed: up to 0.5 mm deep, up to 120 mm long, up to 10 mm wide	Allowed: up to 120 mm long	Allowed	

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25. Warping	Ignored in plywood up to 6.5 mm thick, allowed in plywood over 6.5 mm thick; Allowed up to 15 mm/m of the plywood sheet's diagonal length											
26. Adhesive thread occurrence	Not allowed						Allowed					
27. Blisters, delamination, bark patches	Not allowed											
28. Sander skips (uneven sanding)	Not allowed	Allowed: up to 5 mm off the edge				Allowed: up to 5% of the sheet surface			Allowed: up to 50% of the sheet surface	Allowed		
29. Face veneer oversanding	Not allowed						Allowed: up to 1% of the sheet surface (3 to 21 mm thick plywood) Allowed: up to 2% of the sheet surface (24 mm thick and more)			Allowed: up to 5% of the sheet surface		
30. Metal inclusions	Not allowed						Allowed: nonferrous metal staples					
31. Edge defects caused by sanding, cutting (fringe), veneer shortage	Not allowed						Allowed: up to 5 mm wide along the edge			Allowed: up to 10 mm wide	Allowed: up to 25 mm wide	

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32. Coarse peeling	Not allowed				Allowed: up to 5% of the sheet surface		Allowed: up to 15% of the sheet surface					Allowed
33. Waviness (sanded plywood), rough saw cut, ripple	Not allowed				Allowed							
34. Rough surface	R _m roughness value according to GOST 7016, in μm, max: 100 for sanded plywood, 200 for unsanded plywood											
35. Pockets (without bark inclusions)	Not allowed				Allowed within congested streaks size (60x40 mm), 1 pc/m ²		Allowed					
36. Pasted veneer chips	Not allowed				Allowed: up to 150 mm long, up to 30 mm wide, 1 pc/sheet					Allowed		