

Beech log quality requirements for plywood production

Range of defects		Quality class DYAS 1 (D1)	Quality class DYAS 2 plus (D2+)	Quality class DYAS 2 (D2)	Quality class DYAS 3 (D3)
Knots	sound	Cuts up to the length of 1.8 m must be without knots, in the next part 1 sound knot is allowed up to 2.5 cm for each begun meter of the length, loops are allowed	Cuts up to the length of 1.8 m must be without knots, in next part 1 sound knot is allowed up to 3.5 cm in number of 1 piece for the length of 1 m knots are not considered	Cuts up to the length of 1.8 m must be without knots, in next part 1 sound knot is allowed up to 3.5 cm in number of 1 piece for the length of 1 m knots are not considered	Cuts up to the length of 1.8 m must be without knots, in next part 1 sound knot is allowed up to 3.5 cm in number of 1 piece for the length of 1 m, up to 1 cm knots are not considered
	unsound				
	enclosed				
Splints	pithy	are allowed flat up to length 1/10 of end thickness	are allowed flat up to length 1/10 of end thickness	are allowed flat up to length 1/10 of end thickness	are allowed flat up to length 1/10 of end thickness
	shaked	are allowed up to 5 cm from the pith	are allowed up to 5 cm from the pith	are allowed up to 5 cm from the pith	are allowed up to 5 cm from the pith
	frost	are not allowed	are not allowed	are not allowed	are not allowed
	draught	end not penetrating are allowed without limits	end not penetrating are allowed without limits	end not penetrating are allowed without limits	end not penetrating are allowed without limits
Simple curvature		is allowed up to 2%	is allowed up to 2%	is allowed up to 2%	is allowed up to 2%
Cross-grain		is allowed up to 1 cm for 1 meter of length	is allowed up to 2 cm for 1 meter of length	is allowed up to 2 cm for 1 meter of length	is allowed up to 2 cm for 1 meter of length
False core		is allowed sound round with colouring signs up to 1/4 of the end thickness	is allowed only round with colouring signs up to 1/3 of the end thickness	is allowed only round with colouring signs up to 1/2 of the end thickness	is allowed only round with colouring signs up to 2/3 of the end thickness
Sap colouring		is not allowed	is not allowed	is not allowed	is not allowed
Dry-rot	core	is not allowed	is not allowed	is not allowed	is not allowed
	sap	is not allowed	is not allowed	is not allowed	is not allowed
Dote		is not allowed	is not allowed	is not allowed	is not allowed
Damage by insect		is allowed only on surface	is allowed only on surface	is allowed only on surface	is allowed only on surface
Mechanical damage including produc. splints		is not allowed	is not allowed	is not allowed	is not allowed
Others		min. diameter of the trunk is 40 cm without bark, min. length 5 m, max. length 10 m, elevation by 0.5 m , maximal root stalk diameter 70 cm, other defects not stated herein are not allowed	min. diameter of the trunk is 30 cm without bark, min. length 5 m, max. length 10 m, elevation by 0.5 m , maximal root stalk diameter 70 cm, other defects not stated herein are not allowed	min. diameter of the trunk is 30 cm without bark, min. length 5 m, max. length 10 m, elevation by 0.5 m , maximal root stalk diameter 70 cm, other defects not stated herein are not allowed	min. diameter of the trunk is 35 cm without bark, min. length 5 m, max. length 10 m, elevation by 0.5 m , maximal root stalk diameter 70 cm, other defects not stated herein are not allowed