

Paged

Sklejka

▶ PAGED SOFTWOOD

▪ Scope

Cross build plywood where all layers are made of soft wood in thickness 2,5 mm. Compare to regular softwood panel is much lighter with good properties of usability.

▪ Field of application

- ▶ construction,
- ▶ interior decorating,
- ▶ furniture,
- ▶ packaging industry,
- ▶ boatbuilding,
- ▶ woodworking etc.

▪ Materialy

Manufactured in type of gluing:

- ▶ **exterior:** on the basis of phenol-formaldehyde glue for use in exterior conditions.

▪ Types of the surface structure

Softwood EN 635-3

Class	Permissible characteristic and defects
II	Sound intergrown knots up to 50 mm \emptyset
	Filled unsound knots and knot holes up to 25 mm \emptyset , 6/m ²
	Filled splits up to 10mm width, 1/3 panel length, 3/m
	Plugs (repairs)
	Discoloration if low contrast
	Defects at the edges up to 5mm
III	Sound intergrown knots up to 60 mm \emptyset
	Filled unsounds knots and knot holes up to 40 mm \emptyset
	Filled splits up to 15mm width, 1/2 panel length, 3/m
	Plugs (repairs)
	Discoloration
	Glue penetration up to 5% panel surface
	Sanding through up to 1% panel surface
Defects at the edges up to 5mm	
IV	Practically with many defects

Attention! Colour of surface can be changed because of sunbeams.



▪ Characteristic

Parameters	Norm	Unit	Value											
Panel thickness	EN 315	mm	6	9	12	15	18	21	24	27	30	35	40	
Gluing	EN 314		Class 3											
Numbers of plies*			3	4	5	6	8	9	11	12	13	15	17	
Wood species			Pine											
Density		kg/m ³	500 - 560											
Standard sizes		mm	2500 x 1250						2440 x 1220					
Characteristic bending strength														
cross grain	EN 789	N/mm ²		11,5	15,1	12,2	18,8	17,4	17,0	16,8	16,8	16,8	16,8	
long grain	EN 789			26,7	28,0	28,0	25,2	26,8	27,6	25,2	25,2	25,2	25,2	
Mean MOE in bending														
cross grain	EN 789	N/mm ²		2177	3128	3567	5808	3582	5336	5202	5202	5202	5202	
long grain	EN 789			10956	9821	9220	9063	9685	8762	7881	7881	7881	7881	
Air sound solution		dB	250 - 500 Hz - 0,10						1000 - 2000 Hz - 0,30					
Thermal conductivity		W/m·K	0,13											
Release of formaldehyde	EN 717-2, EN 13986+A1		Class E1											
Reaction to fire	EN 13986+A1		Class D-s2, d0											
Water vapour permeability	EN 13986+A1		Wet cup - 70 Dry cup - 200											
Biological durability	EN 13986+A1		Class 2											
Content of pentachlorophenol (PCP)	EN 13986+A1		Not contain											

▪ Other

Other conditions can be agreed between the parties.

* in class IV a change of structure is allowed