

Accompanying information to CE-marking to EN 13986:2015

Admonter Wood Panels ELEMENTs	Species of wood middle layer	Thickness <mm>	Thermal conductivity λ <W/m K>**	Airborne sound insulation R <dB>**	Vapour resistance factor wet cup**	Vapour resistance factor dry cup**	Technical class	Reaction to fire EN 13986 table 8			Emission of formaldehyde EN17-2	Content of pentachlorophenol	Sound absorption
								Density <kg/m ³ >	Thickness <mm>	Fire classification*			
Recl. Wood Alder grey	NH	21	0,13	27,2	69	197	SWP/2 NS (non structural)	≥ 400	≥ 12	D – s2, d0	E1 (< 0,1 ppm)	≤ 5 ppm	250 - 500 Hz 0,10 1000 – 2000 Hz 0,30
Ash	NH	15	0,14	26,1	78	208							
		19	0,14	27,4	76	206							
		29	0,14	29,4	73	203							
		40	0,13	31,0	71	201							
	SP	19	0,17	28,5	88	218							
		29	0,17	30,9	88	218							
Oak	NH	15	0,15	26,1	80	210							
		19	0,15	27,6	79	209							
		29	0,14	29,1	75	205							
		40	0,14	31,0	74	204							
	SP	19	0,17	28,7	91	221							
		29	0,17	31,0	90	220							
Oak dark	NH	15	0,15	26,3	82	212							
		19	0,15	27,9	81	211							
		29	0,14	29,4	77	207							
		40	0,14	31,0	73	203							
	SP	19	0,18	28,9	92	223							
		29	0,17	31,1	91	222							
American Walnut	NH	15	0,16	26,6	86	216							
		19	0,16	28,1	84	214							
		29	0,14	29,3	78	208							
		40	0,14	31,0	76	206							
Spruce AGED	NH	19	0,12	26,4	67	193							
Larch AGED	NH	19	0,14	27,2	75	205							
		40	0,14	31,8	71	201							

Recl. Wood	NH	19	0,12	26,4	67	193	SWP/2 NS (non structural)	≥ 400	≥ 12	D – s2, d0	E1 (< 0,1 ppm)	≤ 5 ppm	250 - 500 Hz 0,10 1000 – 2000 Hz 0,30
		22	0,12	26,7	67	193							
		22	0,12	27,2	67	193							
		42	0,12	30,6	67	193							
Spruce	NH	12	0,12	23,5	67	193	SWP/3 NS (non structural)						
		15	0,12	25,0	67	193							
		19	0,12	26,4	67	193							
		22	0,12	27,2	67	193							
		24	0,12	27,7	67	193							
		27	0,12	28,3	67	193							
		42	0,12	30,6	67	193							
Retro	NH	19	0,12	26,4	67	193	SWP/2 NS (non structural)						
Recl. Wood sunbaked mix	NH	22	0,12	27,2	67	193							
Recl. Wood sunbaked grey	NH	22	0,12	27,2	67	193							
Recl. Wood sunbaked brown	NH	22	0,12	27,2	67	193							
Recl. Wood sunbaked brushed	NH	22	0,12	27,2	67	193							
Recl. Wood hacked H2	NH	19	0,12	26,4	67	193							
Recl. Wood hacked H3	NH	19	0,12	26,4	67	193							
Recl. Wood hacked H4	NH	19	0,12	26,4	67	193							
Recl. Wood extreme	NH	19	0,12	26,6	67	193							
		42	0,12	30,6	67	193							
Recl. Wood Larch	NH	19	0,14	27,2	75	205							
Recl. Wood Oak	NH	19	0,15	27,6	79	209							
Stone Pine	NH	19	0,12	25,9	63	183							
		40	0,12	28,0	64	183							
Siberian Larch	NH	15	0,15	26,3	86	216	SWP/3 NS (non structural)						
		19	0,16	28,1	84	214							
		24	0,15	29,0	81	211							
		27	0,15	29,6	79	209							
		42	0,14	31,3	73	203							

Larch	NH	15	0,14	26,3	76	206	SWP/3 NS (non structural)	≥ 400	≥ 12	D – s2, d0	E1 (< 0,1 ppm)	≤ 5 ppm	250 - 500 Hz 0,10 1000 – 2000 Hz 0,30
		19	0,14	27,2	75	205							
		24	0,15	28,3	74	204							
		27	0,14	29,0	73	203							
		40	0,13	30,9	70	200							
		42	0,13	31,1	69	199							
Spruce hacked H1	NH	19	0,12	26,4	67	193	SWP/2 NS						
Fir	NH	19	0,12	26,3	67	192							

NH ... Softwood
SP ... Plywood

*) Notes: Classes of reaction to fire:

These classes are the same as Table 1 of Commission Decision 2003/43/EC of 17 January 2003 (OJEU L13 of 18.1.2003) corrected by Corrigendum (OJEU L33 of 8-2-2003) and amended by Commission Decision 2007/348/EC of 15 May 2007 (OJEU L131 of 23-052007)

Mounting without an air gap behind the element:

The class stated applies to solid wood panels excluding floorings mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m³ or at least class D-s2, d0 products with minimum density 400 kg/m³. A substrate of cellulose insulation material of at least class E may be included if mounted directly against the woodbased panel, but not for floorings.

Mounting with a closed or an open air gap not more than 22 mm behind the element:

The class stated applies to solid wood panels excluding floorings whose reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m³.

Mounting with a closed air gap (of any thickness) behind the element:

The class stated applies to solid wood panels with a **minimum thickness >= 15mm** excluding floorings, whose reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m³

Mounting with an open air gap (of any thickness) behind the element:

The class stated applies to solid wood panels with a **minimum thickness >= 18mm** excluding floorings, whose reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m³.

Class in case of use as flooring: Dfl-s1 applies to Solid wood panels used as flooring. Corresponds to Commission Decision 2000/147/EG, appendix, table 2

**) Values given are based on average values of density – thus natural deviations may occur!

**) Linear interpolation between the thicknesses of panels is acceptable

Admont, 1. October 2019