

ACOUSTIC DOT - Accompanying information to CE-marking according to EN 13986

Type of Wood	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 13501			Emission of formaldehy de EN1717-2	Content of pentachloro phenol	Sound absorption ***
							Density <kg/m ³ >	Thickness <mm>	Class			
Spruce AGED brushed	19	0,12	0	1	1	SWP/2 NS (non structural)	≥ 400	≥ 18	** C-s2, d0	E1	≤ 5 ppm	0,40/0,35
Reclaimed Wood Larch	19	0,12	0	1	1				** C-s2, d0	E1		
Reclaimed Wood hacked H2	19	0,12	0	1	1				** C-s2, d0	E1		
Reclaimed Wood Extreme brushed	19	0,12	0	1	1				* D-s2, d0	E1		
Oak brushed	19	0,12	0	1	1				* D-s2, d0	E1		
Spruce strongly brushed	19	0,12	0	1	1				** C-s2, d0	E1		
Reclaimed Wood sunbaked brushed	19	0,12	0	1	1				* D-s2, d0	E1		

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 an open or a closed 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.

** Notes fire classification:

Only valid with factory-made surface (raw = D-s2, d0)
tested according to EN 13501
Installation with rear air gap permitted

***) The basis of the given values are mean values of the bulk density - this may result in natural deviations!

Admont, 01st of March 2019

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