

CE DECLARATION OF PERFORMANCE

according to Regulation (EU) No. 305 of the European Parliament and the Council of 9 March 2011

DOP no.	DOP-707-00
1 Unique product identification code:	707 (recipe no.) 6 to 25 mm (panel thickness)
2 Use:	Structural or load-bearing components for indoor use in dry conditions
3 Name and Manufacturer Registered trade name or registered brand and contact address of the manufacturer:	EGGER OSB 2 SC EGGER România SRL Str. Austriei 2 RO-725400 Rădăuți, jud. Suceava web: www.egger.com
4 not applicable	
5 System for the assessment and verification of constancy of performance of the building product:	System 2+
6 Harmonized standard	EN 13986:2004+A1:2015
Notified body:	no. 0765 Wilhelm-Klauditz-Institut (WKI) Bienroder Weg 54 e D-38108 Braunschweig

7 Declared performance:

Specification		unit	Panel thickness [mm]					
			> 6 - 10	> 10 - <18	18 - 25			
Bending strength	bending acc. to EN 310 - 0° major axis 0°	N/mm ²	≥ 22	≥ 20	≥ 18			
	bending acc. to EN 310 – 90° minor axis	N/mm ²	≥ 11	≥ 10	≥ 9			
Modulus of Elasticity	bending acc. to EN 310 - 0° major axis 0°	N/mm ²	≥ 3500	≥ 3500	≥ 3500			
	bending acc. to EN 310– 90° minor axis	N/mm ²	≥ 1400	≥ 1400	≥ 1400			
Essential characteristics		unit	Panel thickness [mm]					Harmonized technical specification
			> 6 - 10	> 10 - <18	18 - 25			
Durability	thickness swelling 24h	%	≤ 15					
	Internal bond	N/mm ²	≥ 0,34	≥ 0,32	≥ 0,30			
	mechanical		k _{def}	k _{mod permanent}	k _{mod long}	k _{mod medium}	k _{mod short}	k _{mod instantenous}
		SC1	2,25	0,30	0,45	0,65	0,85	1,10
	biological (use class)		UC 1					
Release of Formaldehyde	acc. to EN 717-1	ppm	≤ 0,10 - emission class E1					
Release of PCP		ppm	< 3,0					
Density		kg/m ³	≥ 580					
Water vapour permeability	diffusion resistance factor μ (dry)	-	100					
Thermal conductivity		W/mK	0,13					
Airborne sound insulation	sound absorption coefficient	-	0,10 / 0,25 (frequency range 250 - 500 Hz / 1000-2000 Hz)					
	sound insulation R	dB	R = 14 * lg(m _a) + 13 (area mass related m _a , frequency range 1 to 3 kHz)					
Air permeability	acc. to EN 12114 (at 50Pa pressure difference)	m/(m ² * h)	NPD					
Reaction to fire *)		class	Min. density [kg/m ³]	Min. thickness [mm]				
	without air gap behind OSB a,b,e,f	D-s1, d0	580	12 mm				
	without restriction e,f	E	E _{fl}	3 mm				

Essential characteristics		unit	panel thickness [mm]				Harmonized technical specification
			> 6 - 10	> 10 - <18	18 - 25		
Characteristic strength							EN 13986:2004+A1:2015
Bending f_m	0° - major axis	N/mm ²	18,0	16,4	14,8		
Tension f_t	90° - minor axis	N/mm ²	9,0	8,2	7,4		
	0° - major axis	N/mm ²	9,9	9,4	9,0		
	90° - minor axis	N/mm ²	7,2	7,0	6,8		
Compression f_c	0° - major axis	N/mm ²	15,9	15,4	14,8		
	90° - minor axis	N/mm ²	12,9	12,7	12,4		
Shear $f_v \perp$ panel surface	0° - major axis / 90° - minor axis	N/mm ²	6,8	6,8	6,8		
Shear f_r in panel surface	0° - major axis / 90° - minor axis	N/mm ²	1,0	1,0	1,0		
Mean stiffness							
Bending E_m	0° - major axis	N/mm ²	4930	4930	4930		
	90° - minor axis	N/mm ²	1980	1980	1980		
Tension E_t	0° - major axis	N/mm ²	3800	3800	3800		
Compression E_c	90° - minor axis	N/mm ²	3000	3000	3000		
	0° - major axis	N/mm ²	3800	3800	3800		
Shear $G_v \perp$ panel surface	90° - minor axis	N/mm ²	3000	3000	3000		
	0° - major axis / 90° - minor axis	N/mm ²	1080	1080	1080		
Shear G_r in panel surface	0° - major axis / 90° - minor axis	N/mm ²	50	50	50		
Impact resistance		N/mm ²	NPD	NPD	NPD		
Embedding strength		N/mm ²	EN 1995-1-1, Abs. 8				
Racking resistance		N/mm ²	EN 1995-1-1				
Performance wall EN 12871	soft body impact acc. to EN 596	-	Pass				
	panel thickness	mm	≥ 12				
Performance Floor EN 12871 (major axis, 0°)	load category	-		A	A		
	panel thickness	mm		≥ 15	≥ 18		
	cc-span	mm		≤ 410	≤ 625		
Performance roof EN 12871 (major axis, 0°)	load category	-	NPD				
	panel thickness	mm					
	cc-span	mm					

8 not applicable

The product performance according to number 1 corresponds to the declared performance according to number 7. Solely the manufacturer is responsible for drafting the declaration of performance according to number 3.

Signed for and in the name of the manufacturer by:



Thomas Schlund

EGGER Building Products - Head of Division
Technology/Production

Rădăuți, 18.10.2016

*) Note:

- a Without air gap installed directly on products in classes A1 or A2-s1, d0 with a minimum raw density of 10 kg/m³ or at least products of class D-s2, d2 with a minimum raw density of 400 kg/m³.
- b An underlayment made of cellulose thermal insulation material of at least class E may be used if installed directly behind the wood-based material; however, this does not apply to flooring.
- c Installed with air gap behind, the product bordering with its rear side the empty space must correspond at least to class A2-s1,d0 with a minimum raw density of 10 kg/m³.
- d Installed with air gap behind, the product bordering with its rear side the empty space must correspond at least to class D-s2,d2 with a minimum raw density of 400 kg/m³.
- e With the exception of flooring, the class also corresponds to veneered, phenol and melamine-faced boards.
- f A vapour barrier with a thickness of up to 0.4 mm and a mass of up to 200 g/m² may be installed between the wood-based material and the underlayment if there is no air gap in between.