

# 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:	<b>EGGER OSB 2</b>  SC EGGER România SRL Str. Austriei 2 RO-725400 Rădăuți, jud. Suceava web: <a href="http://www.egger.com">www.egger.com</a>
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 <sup>2</sup>	≥ 22	≥ 20	≥ 18				
	bending acc. to EN 310 – 90° minor axis	N/mm <sup>2</sup>	≥ 11	≥ 10	≥ 9				
Modulus of Elasticity	bending acc. to EN 310 - 0° major axis 0°	N/mm <sup>2</sup>	≥ 3500	≥ 3500	≥ 3500				
	bending acc. to EN 310– 90° minor axis	N/mm <sup>2</sup>	≥ 1400	≥ 1400	≥ 1400				
Essential characteristics		unit	Panel thickness [mm]				Harmonized technical specification		
			> 6 - 10	> 10 - <18	18 - 25				
Durability	thickness swelling 24h	%	≤ 15					EN 13986:2004+A1:2015	
	Internal bond	N/mm <sup>2</sup>	≥ 0,34	≥ 0,32	≥ 0,30				
	mechanical		k <sub>def</sub>	k <sub>mod permanent</sub>	k <sub>mod long</sub>	k <sub>mod medium</sub>	k <sub>mod short</sub>		k <sub>mod instantenous</sub>
	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 <sup>3</sup>	≥ 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 <sub>a</sub> ) + 13 (area mass related m <sub>a</sub> , frequency range 1 to 3 kHz)						
Air permeability	acc. to EN 12114 (at 50Pa pressure difference)	m/(m <sup>2</sup> * h)	NPD						
Reaction to fire *)		class	Min. density [kg/m <sup>3</sup> ]	Min. thickness [mm]					
	without air gap behind OSB a,b,e,f	D-s1, d0	580	12 mm					
	without restriction e,f	E	E <sub>fl</sub>	3 mm					

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

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EGGER Building Products - Head of Division  
Technology/Production

Rădăuți, 18.10.2016

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\*) Note:

- a Without air gap installed directly on products in classes A1 or A2-s1, d0 with a minimum raw density of 10 kg/m<sup>3</sup> or at least products of class D-s2, d2 with a minimum raw density of 400 kg/m<sup>3</sup>.
- 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/m<sup>3</sup>.
- 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/m<sup>3</sup>.
- 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/m<sup>2</sup> may be installed between the wood-based material and the underlayment if there is no air gap in between.