CE DECLARATION OF PERFORMANCE

	DOP no.	DOP-707-03
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 Rădăuţi, 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. 0766 **eph – Entwicklungs- und Prüflabor Holztechnologie GmbH** Zellerscher Weg 24 D-01217 Dresden web: www.eph-dresden.com

7 Declared performance:

Specification		unit	Panel thickness [mm] › 6 - 10	› 10 - ‹18	18 - 25			
Bending strength	bending acc. to EN 310 - 0° major axis o°	N/mm²	≥ 22	≥ 20	≥ 18			
	bending acc. to EN 310 – 90° minor axis	N/mm²	≥ 11	≥ 10	≥ 9			technical class
Modulus of Elasticity	bending acc. to EN 310 - 0° major axis o°	N/mm²	≥ 3500	≥ 3500	≥ 3500			OSB/2 acc.to EN 300
	bending acc. to EN 310– 90° minor axis	N/mm²	≥ 1400	≥ 1400	≥ 1400			

Essential characteristics		unit	Panel thickness [mm] › 6 - 10	› 10 - ‹18	18 - 25			Harmonized technical specification
Durability	thickness swelling 24h	%	≤ 20					
	Internal bond	N/mm²	≥ 0,34	≥ 0,32	≥ 0,30			
	mechanical		k_{def}	k_{mod} permanent	k_{mod} long	k_{mod} medium	k_{mod} short	k_{mod} instantenous	EN 13986:2004+A1:2015
		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/m³	≥ 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 = 13 * lg(m_A) + 14 (area mass related m_A, frequency range 1 to 3 kHz)					
Air permeability	acc. to EN 12114 (at 50Pa pressure difference)	m³/(m² * h)	NPD					
Reaction to fire *)		**class**	**Min. density [kg/m³]**	**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								
Bending f_m	0° - major axis	N/mm²	18,0	16,4	14,8			
	90° - minor axis	N/mm²	9,0	8,2	7,4			EN 13986:2004+A1:2015
Tension f_t	0° - major axis	N/mm²	9,9	9,4	9,0			
	90° - minor axis	N/mm²	7,2	7,0	6,8			
Compression f_c	0° - major axis	N/mm²	15,9	15,4	14,8			
	90° - minor axis	N/mm²	12,9	12,7	12,4			
Shear f_v ⊥ panel surface	0° - major axis / 90° - minor axis	N/mm²	6,8	6,8	6,8			
Shear f_r in panel surface	0° - major axis / 90° - minor axis	N/mm²	1,0	1,0	1,0			
Mean stiffness								
Bending E_m	0° - major axis	N/mm²	4930	4930	4930			
	90° - minor axis	N/mm²	1980	1980	1980			
Tension E_t	0° - major axis	N/mm²	3800	3800	3800			
	90° - minor axis	N/mm²	3000	3000	3000			
Compression E_c	0° - major axis	N/mm²	3800	3800	3800			
	90° - minor axis	N/mm²	3000	3000	3000			
Shear G_v ⊥ panel surface	0° - major axis / 90° - minor axis	N/mm²	1080	1080	1080			
Shear G_r in in panel surface	0° - major axis / 90° - minor axis	N/mm²	50	50	50			
Impact resistance		N/mm²	NPD	NPD	NPD			
Embedding strength		N/mm²	EN 1995-1-1, Abs. 8					
Racking resistance		N/mm²	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:

Christoph Pirckmayer
Plant Manager Technical/Production OSB

Rădăuţi, 07.01.2025

*) 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.