CE DECLARATION OF PERFORMANCE

	DoP No.:	**DOP-FLX-00**
1	**Unique code of the product**	**EGGER OSB Flammex** **734 / 735 (Recipe no.)** **10 - 25 mm (Panel thickness)**
2	**Intended Use**	OSB Flammex with improved fire performance for use in dry and wet areas (OSB/3) according to EN 300:2006
3	Trade name and Manufacturer	**EGGER OSB FLAMMEX** **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 1**
6	**Harmonised standard**	**EN 13986:2004+A1:2015**
	Notified Body	No. 0766 eph – Entwicklungs- und Prüflabor Holztechnologie GmbH Zellerscher Weg 24 01217 Dresden Germany web: www.eph-dresden.com

7 Declared performance

Specification		unit	panel thickness [mm]					
				> 10 - <18	18 - 25			
Bending strength	acc. to EN 310 - 0° (major axis)	N/mm²		≥ 20	≥ 18			OSB/3 acc. to EN 300
	acc. to EN 310 -90° (minor axis)	N/mm²		≥ 10	≥ 9			
Modulus of Elasticity	acc. to EN 310 - 0° (major axis)	N/mm²		≥ 3500	≥ 3500			
	acc. to EN 310 - 90° (minor axis)	N/mm²		≥ 1400	≥ 1400			

Essential characteristics		unit	panel thickness [mm]						Harmonised technical specification
				> 10 - <18	18 - 25				
	thickness swelling 24h	%		≤ 15	≤ 15				EN 13986:2004+A1:2015
	Internal bond	N/mm²		≥ 0,32	≥ 0,30				
	internal bond - option 1	N/mm²		≥ 0,15	≥ 0,13				
	bending strength - major axis - option 1	N/mm²		≥ 8	≥7				
	internal bond - option 2	N/mm²		≥ 0.13	≥ 0.12				
	mechnical	KLED	k_{def}	k_{mod} permanent	k_{mod} long	k_{mod} medium	k_{mod} short	k_{mod} instanteneous	
		Service class SC1	1,50	0,40	0,50	0,70	0,90	1,10	
		Service class SC2	2,25	0,30	0,40	0,55	0,70	0,90	
	biological		use class UC 1 & 2						
Formaldehyde emission	acc. to EN 717-1	ppm	≤ 0,1 - E- emission class E1						
Content of PCP		ppm	< 3,0						
Density		kg/m³	≥ 600						
Water vapor permeability	μ (dry / wet)	-	200 / 150						
Thermal conductivity		W/mK	0,13						
Sound insulation	Sound absorption coefficient	-	0,10 / 0,25 (frequency range 250 - 500 Hz / 1000-2000 Hz)						
	Airborne sound insulation R	dB	R = 13 * lg(m_A) + 14 (mass related area weight mA, frequenzy range 1 to 3 kHz)						
Air permeability	acc. to EN 12114 (at 50 Pa pressure difference)	m/(m² * h)	No performance declared						
Reaction to fire *)	acc. to EN 13501-1	**class**							
		B-s1,d0 [a] [b]	10-11 mm Coated on both sides						
			12-25 mm						

			Coated on one or both sides

Essential characteristics		unit	panel thickness [mm]					Harmonised technical specification
				> 10 - <18	18 - 25			
Characteristic strength								EN 13986:2004+A1:2015
Bending fm	0° - major axis	N/mm²		16,4	14,8			
	90° - minor axis	N/mm²		8,2	7,4			
Tension ft	0° - major axis	N/mm²		9,4	9,0			
	90° - minor axis	N/mm²		7,0	6,8			
Compression fc	0° - major axis	N/mm²		15,4	14,8			
	90° - minor axis	N/mm²		12,7	12,4			
Panel shear fv ⊥ panel surface	0° - major axis / 90° - minor axis	N/mm²		6,8	6,8			
Planar shear fr in in panel surface	0° - major axis / 90° - minor axis	N/mm²		1,0	1,0			
Medium stiffness								
Bending Em	0° - major axis	N/mm²		4930	4930			
	90° - minor axis	N/mm²		1980	1980			
Tension Et	0° - major axis	N/mm²		3800	3800			
	90° - minor axis	N/mm²		3000	3000			
Compression Ec	0° - major axis	N/mm²		3800	3800			
	90° - minor axis	N/mm²		3000	3000			
Shear Gv ⊥ panel surface	0° - major axis / 90° - minor axis	N/mm²		1080	1080			
Shear Gr in panel surface	0° - major axis / 90° - minor axis	N/mm²		50	50			
Impact resistance (hard body impact)		N/mm²		No performance declared	No performance declared			
Embedding strength		N/mm²	EN 1995-1-1, Abs. 8					
Racking resistance		N/mm²	EN 1995-1-1					
Performance wall EN 12871	Soft boady impact acc. to EN 596	-	pass					
	panel thickness	mm	≥9 mm					
Performance roof EN 12871 (major axis, 0°)	load categoriy	-		H	H			
	panel thickness	mm		≥ 12	≥ 18			
	cc-span	mm		≤ 625	≤ 833			

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:

Rădăuţi, 30.06.2025

Christoph Pirckmayer
Plant Manager Technical/Production OSB

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*) Note:

a The construction product may be used on substrates corresponding to Euroclasses A1 or A2-s1, d0, with a minimum thickness of 9 mm and a minimum density of 653 kg/m³. When installed on a timber substructure, Euroclass A1 insulation with a melting point of > 1000 °C and a minimum density of 35 kg/m³ must be installed directly behind the panels in the space between the timber slats (40 mm). A ventilated cavity of 40 mm between the insulation and a Euroclass D-s2,d0 substrate is permitted. Installation may only be carried out mechanically using metallic fasteners on wooden or metal substructures. Horizontal and vertical joints up to 3 mm, or with butt-jointed boards. Can be used as wall and ceiling cladding indoors. Not to be used horizontally as floorings.

b Euroclass B-s1, d0 only for the coated side.