

**UK
CA** **DECLARATION OF CONFORMITY**

according to EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)

DoC no.	DoC-761-00
1 Unique product identification code:	761 (recipe no.) 8 - 10 mm(panel thickness)
2 Use:	Structural or load-bearing components for indoor use in dry and humid conditions
3 Name and Manufacturer Registered trade name or registered brand and contact address of the manufacturer:	EGGER OSB 3 E0 I-joist EGGER Holzwerkstoffe Wismar GmbH & Co KG Am Haffeld 1 D-23970 Wismar 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:	BS EN 13986:2004+A1:2015
Notified body:	No. 0836 British Board of Agrément (BBA) Bucknalls Lane, Watford, Hertfordshire WD25 9BA United Kingdom web: www.bbacerts.co.uk
Certificate number:	UK 0836-CPR-22/F549

7 Declared performance:

Specification			Panel thickness [mm]						
		unit	8	>8 – 10					
Bending strength	bending acc. to EN 310 - 0° major axis	N/mm²	≥ 22	≥ 22					technical class OSB/3 acc. to EN 300
	bending acc. to EN 310 – 90° minor axis	N/mm²	≥ 18	≥ 17					
Modulus of Elasticity	bending acc. to EN 310 - 0° major axis	N/mm²	≥ 3500	≥ 3500					
	bending acc. to EN 310– 90° minor axis	N/mm²	≥ 1800	≥ 1800					
Essential characteristics		unit	Panel thickness [mm]						Harmonized technical specification
			8	>8 – 10					
Durability	thickness swelling 24h	%	≤ 15	≤ 15					BS EN 13986:2004+A1:2015
	internal bond	N/mm²	≥ 0.34	≥ 0.34					
	internal bond - option 2	N/mm²	≥ 0.15	≥ 0.15					
	mechanical		k _{def}	k _{mod permanent}	k _{mod long}	k _{mod medium}	k _{mod short}	k _{mod instantenous}	
		SC1	1.50	0.40	0.50	0.70	0.90	1.10	
		SC2	2.25	0.30	0.40	0.55	0.70	0.90	
		biological (use class)		GK 1 & 2					
Release of Formaldehyde	acc. to EN 717-1	ppm	< 0.03 (no added formaldehyde) Emission class E1						
Release of PCP		ppm	< 3.0						
Density		kg/m³	≥ 620 kg/m³						
Water vapour permeability	µ (dry / wet)	-	NPD						
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)	m/(m² * h)	NPD						
Reaction to fire *)		class	class floor covering		Minimum thickness [mm]				
	without air gap behind OSB ^{a,b,e,f}	D-s2, d0	D _{fl,s1}		9 mm				
	with closed air gap or open air gap ≤ 22mm behind OSB ^{c,e,f}	D-s2, d0	-		9 mm				
	with closed air gap behind OSB ^{d,e,f}	D-s2, d0	D _{fl,s1}		15 mm				
	with open air gap behind OSB ^{d,e,f}	D-s2, d0	D _{fl,s1}		18 mm				
	without restriction ^{e,f}	E	E _{fl}		3 mm				

Essential characteristics			Panel thickness [mm]					Harmonized technical specification
		unit	8 - 10					
Characteristic strength								BS EN 13986:2004+A1:2015
Bending f_m	0° - major axis	N/mm²	18.0					
	90° - minor axis	N/mm²	12.7					
Tension f_t	0° - major axis	N/mm²	9.9					
Compression f_c	90° - minor axis	N/mm²	7.2					
	0° - major axis	N/mm²	15.9					
Shear $f_v \perp$ panel surface	90° - minor axis	N/mm²	12.9					
	0° - major axis / 90° - minor axis	N/mm²	6.8					
Shear f_r in panel surface	0° - major axis / 90° - minor axis	N/mm²	1.0					
Mean stiffness								
Bending E_m	0° - major axis	N/mm²	4930					
	90° - minor axis	N/mm²	2150					
Tension E_t	0° - major axis	N/mm²	3800					
	90° - minor axis	N/mm²	3000					
Compression E_c	0° - major axis	N/mm²	3800					
	90° - minor axis	N/mm²	3000					
Shear $G_v \perp$ panel surface	0° - major axis / 90° - minor axis	N/mm²	1080					
Shear G_r in panel surface	0° - major axis / 90° - minor axis	N/mm²	50					
Impact resistance		N/mm²	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	-	NPD					
	panel thickness	mm	NPD					
Performance Floor EN 12871 (major axis. 0°)	load category	-	NPD					
	panel thickness	mm						
	cc-span	mm						
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 Conformity according to number 3.

Signed for and in the name of the manufacturer by:

A handwritten signature in blue ink, appearing to read "R. Borchers".

Ralf Borchers
Head of Division EFP Technical/ Production

Wismar, 01.07.2022

*) 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.