Declaration of Performance according to Regulation (EU) No. 305/2011 of the European Parlament and Council of March 9, 2011

	Declaration of Performance No.	DoP-SWP-20-220421							Replaces Version:
1	Unique identification code of the product - type	SWP/2 S L3							DoP-SWP-20-200623
2	Labelling for identification of building product acc. To article 11, paragraph 4:	SWP/2 S L3 (15-20 mm)		SWP/2 S L3 (>20-30 mm)		SWP/2 S L3 (>30-42 mm)		SWP/2 S L3 (>42-52 mm)	
3	Manufacturer's intended use or intended uses of building product in accordance with the applicable harmonized technical specification	Panels as load bearing members in humid conditions (interior or protected exterior areas)							
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as requested under Article 11 (paragraph 5):	elka-Holzwerke GmbH Hochwaldstr. 44 D-54497 Morbach		Tel. +49-6533-956-0 info@elka-holzwerke.de www.elka-holzwerke.eu					
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (paragraph 2):	Not named							
6	System or systems of assessment and verification of constancy of performance of the construction product referred to Annex V:	System 2+							
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard.	The Qualitätsgemeinschaft Holzwerkstoffe e.V. as notified body no. 134 the initial inspection of the factory. The actual factory production quality control and the continuous surveillance, assessment and approval of factory production quality control is done by the (EPH 0766).							
8	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	not applicable							

	Declared performance:	SWP/2 S L3 (15-20 mm)		SWP/2 S L3 (>20-30 mm)		SWP/2 S L3 (>30-42 mm)		SWP/2 S L3 (>42-52 mm)		Harmonised Technical Specifications
		lengthways	across	lengthways	across	lengthways	across	lengthways	across	
	Bending strength [fm, 0 / fm, 90]:	35,0 N/mm²	5,0 N/mm²	30,0 N/mm²	5,0 N/mm²	16,0 N/mm²	9,0 N/mm²	12,0 N/mm²	9,0 N/mm²	EN 13986:2004+A1:2015
	Bending stiffness (modulus of elasticity) [Em, 0 / Em, 90]:	8500 N/mm²	470 N/mm²	7000 N/mm²	470 N/mm²	6500 N/mm²	1300 N/mm²	6000 N/mm²	1300 N/mm²	
	Durableness:									
	Quality of the bond:	SWP/2 after EN 13354:2008 (after 6 h Boiling) • 0,4 ≤ fV < 0,8 N/mm² (at fraction of wood ≥ 40%) • 0,8 ≤ fV < 1,2 N/mm² (at fraction of wood ≥ 20%) • fV ≥ 1,2 N/mm² (no requirement for fraction of wood)								
	Bonding quality	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	
	Swelling of thickness	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	
	moisture resistance	NPD (2)								
	Swelling of thickness	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	
	mechanic	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	
	biological	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	NPD (2)	
	Formaldehyde emission:	E1E05								
	Reaction to fire:	D-s2,d0 (1)	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	
	Water vapour permeability μ after EN 13986: (4)	Dry 185, Humid 64		Dry 185, Humid 64		Dry 185, Humid 64		Dry 185, Humid 64		
	Airborne sound insulation: (4)	NPD (2)		NPD (2)		NPD (2)		NPD (2)		
9	Sound absorption coefficient: (4)	0,10 / 0,30		0,10 / 0,30		0,10 / 0,30		0,10 / 0,30		
	Thermal conductivity λ: (4)	0,11 W/(mK)		0,11 W/(mK)		0,11 W/(mK)		0,11 W/(mK)		
	Hole-reveal-stability	NPD (2)		NPD (2)		NPD (2)		NPD (2)		
	Air permeability	NPD (2)		NPD (2)		NPD (2)		NPD (2)		
	Structural Strength: acc. DIN EN 12369-3:2008 for load-bearing applications									
	bend crossways to the plate level:	35,0 N/mm²	5,0 N/mm²	30,0 N/mm²	5,0 N/mm²	16,0 N/mm²	9,0 N/mm²	12,0 N/mm²	9,0 N/mm²	
	bend in plate level:	25,0 N/mm²	12,0 N/mm²	14,0 N/mm²	12,0 N/mm²	12,0 N/mm²	12,0 N/mm²	10,0 N/mm²	12,0 N/mm²	
	tension:	16,0 N/mm²	6,0 N/mm²	9,0 N/mm²	6,0 N/mm²	6,0 N/mm²	6,0 N/mm²	6,0 N/mm²	6,0 N/mm²	
	compression:	16,0 N/mm²	10,0 N/mm²	16,0 N/mm²	10,0 N/mm²	10,0 N/mm²	16,0 N/mm²	10,0 N/mm²	16,0 N/mm²	
	shear perpendicular to panel plane:	1,6 N/mm²	1,4 N/mm²	1,6 N/mm²	1,4 N/mm²	1,2 N/mm²	1,4 N/mm²	1,2 N/mm²	1,4 N/mm²	
	shear in panel plane:	4,0 N/mm²	5,0 N/mm²	4,0 N/mm²	3,5 N/mm²	3,5 N/mm²	2,5 N/mm²	2,5 N/mm²	2,0 N/mm²	
	Stiffness (average) acc. DIN EN 12369-3:2008									
	bend crossways to the plate level:	10000 N/mm²	550 N/mm²	8200 N/mm²	550 N/mm²	7600 N/mm²	1500 N/mm²	7100 N/mm²	1500 N/mm²	
	bend in plate level:	4700 N/mm²	3500 N/mm²	2900 N/mm²	3500 N/mm²	2400 N/mm²	4700 N/mm²	1800 N/mm²	4700 N/mm²	
	tension:	4700 N/mm²	2900 N/mm²	3500 N/mm²	2900 N/mm²	2400 N/mm²	2900 N/mm²	2400 N/mm²	2900 N/mm²	
	shear perpendicular to panel plane:	41 N/mm²	41 N/mm²	41 N/mm²	41 N/mm²	41 N/mm²	41 N/mm²	41 N/mm²	41 N/mm²	
	shear in panel plane:	470 N/mm²	470 N/mm²	470 N/mm²	470 N/mm²	470 N/mm²	470 N/mm²	470 N/mm²	470 N/mm²	
	Properties independent of thickness of panel									
	Mechanical durability, deformation coefficient (NKL 1 (3)):	NPD (2)								
	Content of PCP:	</= 5 ppm								

The performance of the product in accordance with paragraphs 1 and 2 corresponds to the declared performance stated to item 9. Responsible for the preparation of this declaration of performance is solely the manufacturer named in acc. To item 4.

Signed on behalf of the manufacturer and the name of the manufaturer by:

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name:	Frau Larissa Kuntz	Date:	21.04.2022
Funktion:	CEO	Signature:	
place of issue:	D-54497 Morbach		

Note (1): only valid for panel thicknesses of 9 mm and more

Note (2): NPD = no performance determined

Note (3): NKL = service class acc. DIN EN 1995-1-1

Note (4):The product which this performance is declared, is for the most part made from natural wood. Therefore, the properties indicated with (4) are subject to the variations caused by wood and thus do not constitute a reason for a claim.

Note (5): Manufacturer's certificate on the product edge (sorting quality, plate thickness, date of manufacture and name of inspector)