Declaration of Performance No.	DoP-PB-52-230118						Replaces Version
Unique identification code of the product – type							DoP-PB-52-20200815
Labelling for identification of building product acc. To article 11, paragraph 4:		P5 esb PLUS thickness 10-13	P5 esb PLUS thickness 13-20	P5 esb PLUS thickness 20-25			DOF-F B-32-20200013
Manufacturer's intended use or intended uses of building product in accordance with the				<u> </u>			1
applicable harmonized technical specification				umid conditions (interior or protected exte	erior areas)		
Name, registered trade name or registered trade mark and contact address of the manufacturer as	elka-Holzwerke GmbH		Tel. +49-6533-956-0			®	
requested under Article 11 (paragraph 5):	Hochwaldstr. 44 D-54497 Morbach		info@elka-holzwerke.de www.elka-holzwerke.eu				
Where applicable, name and contact address of the authorised representative whose mandate			Not named		Trade	mark	
covers the tasks specified in Article 12 (paragraph 2):							
System or systems of assessment and verification of constancy of performance of the construction product referred to Annex V:			System 2	2+			
n case of the declaration of performance concerning a construction product covered by a				y. The actual factory production quality co	entrol and the continuous su	rveillance, assessment and	
harmonised standard. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	approval of factory production quality control is done by the (EPH 0766).  not applicable						
Declared performance		thickness >10 to 13 mm	thickness >13 to 20 mm	thickness>20 to 25 mm			Harmonised Techn
Bending strength		18,0 N/mm²	16,0 N/mm²	14,0 N/mm²			Specifications
Bending stiffness (modulus of elasticity)		2550 N/mm²	2400 N/mm²	2150 N/mm²			1
Durableness							1
Bonding quality		NPD (2)	NPD (2)	NPD (2)			1
Transverse tensile strength		0,45 N/mm²	0,45 N/mm²	0,40 N/mm²			1
Durability (swelling)		11%	10%	10%			
Durability (moisture resistance option 2)		0,15 N/mm²	0,14 N/mm²	0,12 N/mm²			
mechanic		NPD (2)	NPD (2)	NPD (2)			
biological		NPD (2)	NPD (2)	NPD (2)			1
Formaldehyde emission		E1E05	E1E05	E1E05			1
Reaction to fire		D-s2,d0 (1)	D-s2,d0	D-s2,d0			4
Nater vapour permeability μ: (4)		Dry 80, Humid 40	Dry 80, Humid 40	Dry 80, Humid 40			<u>8</u>
Airborne sound insulation: (4)		NPD	NPD (2) 0,10 / 0,25	NPD (2) 0,10 / 0,25			EN 312
Sound absorption coefficient: (4) Thermal conductivity λ: (4)		0,10 / 0,25 0,12 W/(mK)	0,10 / 0,25 0,12 W/(mK)	0,1070,25 0,12 W/(mK)			and E
Hole-reveal-stability		0,12 W/(IIIK)  NPD (2)	0,12 W/(IIIK)  NPD (2)	0,12 W/(IIIK)  NPD (2)			5 ar
Air permeability		NPD (2)	NPD (2)	NPD (2)			13986:2004+A1:2015
Structural Strength: acc. DIN EN 12369-1:2001		thickness >10 to 13 mm	thickness >13 to 20 mm	thickness >20 to 25 mm			Ę
bending		15,0 N/mm²	13,3 N/mm²	11,7 N/mm²			96
tension		9,4 N/mm²	8,5 N/mm²	7,4 N/mm²			6:20
compression		12,7 N/mm²	11,8 N/mm²	10,3 N/mm²			398
shear perpendicular to panel plane		7,0 N/mm²	6,5 N/mm²	5,9 N/mm²			Z Z
shear in panel plane		1,9 N/mm²	1,7 N/mm²	1,5 N/mm²			
Stiffness (average) acc. DIN EN 12369-1:2001							4
bending		3500 N/mm²	3300 N/mm²	3000 N/mm²			4
tension and compression		2000 N/mm²	1900 N/mm²	1800 N/mm²			4
shear perpendicular		960 N/mm²	930 N/mm²	860 N/mm²			1
Properties independent of thickness of panel  Mechanical durability, deformation coefficient (NKL 1 (3)):			kdef = 2,	25			1
Mechanical durability, deformation coefficient (NKL 1 (3)):  Mechanical durability, deformation coefficient (NKL 2 (3)):	kdef = 3,00						1
	Kaer = 3,00 Loading						1
Mechanical durability, creep factor, (NKL 1), all thicknesses:		permanent: kmod = 0,30	long term: kmod = 0,45	medium term: kmod = 0,65			1
Mechanical durability, creep factor, (NKL 2), all thicknesses:		permanent: kmod = 0,20	long term: kmod = 0,30	medium term: kmod = 0,45			1
Content of PCP:			= 5 pp</td <td>m</td> <td></td> <td></td> <td>1</td>	m			1
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 thi	s 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:							
name:			18.01.2023	Note (1): only valid for panel thicknesses			
position	CEO	Signature:		Note (2): NPD = no performance determi			
place of issue:		Loring L to		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 cla			

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