binderholz

tiptop timber

DECLARATION OF PERFORMANCE FOR THE CONSTRUCTION PRODUCT (DOP)

BINDERHOLZ CLT BBS 125 ☐

	DOP-BHU-01-BBS125-ETA	
1.	**Unique identification code of the product type**	binderholz CLT BBS system format “BBS 125“ according to ETA-06/0009
2.	**Intended use**	CLT BBS, multi-ply timber construction elements for wall, ceiling, roof and special construction elements for load-bearing purposes
3.	**Manufacturer**	Binderholz Bausysteme GmbH Zillertalstraße 39 · A-6263 Fügen
	Manufacturer’s plant	Binderholz Unternberg GmbH · Cross laminated timber plant Stranach 26 · A-5585 Unternberg
4.	**Agent**	NPD
5.	**System for assessing and inspecting constancy of performance**	System 1
6.	**European Assessment Document (EAD)**	EAD 130005-00-0304, 2015/03
	European Technical Assessment (ETA)	ETA-06/0009, 2017/06
	Technical Assessment Office	Deutsches Institut für Bautechnik (DIBt)
	Notified body	Holzforschung Austria 1359
	Certification of constancy of performance certificate no.	1359-CPR-0758
7.	**Declared performance and essential characteristics**	
	Format	BBS 125 (System format)
	Number of layers	3 ≤ n ≤ 9 (max. 2 with fibres running in parallel)
	Thickness range	54 - 350 mm
	Width	1.25 m
	Length	≤ 5 m / with universal finger joint according to EN 14080 up to ≤ 24 m
	Types of wood	Spruce/fir, pine, douglas fir, larch, stone pine (non-load-bearing)
	Modulus of elasticity **Bending strength** **Compression strength** **Tensile strength** **Shear strength**	Top / longitudinal layers (running in the direction of the fibres of the top layers) Solid timber in accordance with EN 338: ≥ 90% C24; < 10% C16 Transverse layers (layers running at right angles to the direction of the fibres in the top layer) Solid timber in accordance with EN 338: ≥ 30% C24; < 70% C16 Top / Longitudinal / Transverse layers Solid wood panels in accordance with EN 13986 / EN 13353 to max. 50% of the cross-section Characteristic properties according to ETA-06/0009, Tables 1 and 2
	Bonding **Adhesive strength**	Use adhesive in accordance with EN 301 or alternatively with formaldehyde-free 1-K-PUR adhesive according to EN 15425 and EN 14080 2013, Appendix B.2 and B.1 with panel layers, finger jointed single panels and universal finger joints. The finger joints of the individual boards of the layers are bonded in accordance with EN 14080. Surface bonding in accordance with ETA-06/0009.
	Thermal conductivity λ	0.12 W/(m²*K)
	Spec. thermal capacity C_p	1,600 J/(kg*K)
	Permanent adhesion	Use class 1 and 2 according to EN 1995-1-1
	Fire behaviour	Wood components apart from the floor I Euro class D-s2, d0
	Emission of hazardous substances	Formaldehyde emission class E1 according to EN 14080; no release of other hazardous substances
	Protective treatment	NPD
	Other characteristics	according to ETA-06/0009
8.	**The performance of the product identified above is in conformity with the declared performance. The manufacturer identified above is solely responsible for producing the Declaration of Performance in accordance with Regulation (EU) No. 305/2011. The manufactured CLT BBS is not governed by any REACH registration obligation.**	

Unternberg, 02.05.2018

Thomas Aigner Operations Director/Managing Director
Signed on behalf of the manufacturing company

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