

DECLARATION OF PERFORMANCE FOR THE CONSTRUCTION PRODUCT (DOP)

BINDERHOLZ CLT BBS XL

DOP-BHU-02-BBSXL-ETA		
1.	Unique identification code of the product type	binderholz CLT BBS large format "BBS XL" 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 XL (large format and large format DQ)
	Number of layers	$3 \leq n \leq 7$ (max. 2 with fibres running in parallel)
	Thickness range	51 - 315 mm
	Width	≤ 3.5 m
	Length	≤ 22 m
	Types of wood	Spruce/fir, pine, douglas fir, larch, stone pine (non-load-bearing)
	Modulus of elasticity	Top / longitudinal layers (running in the direction of the fibres of the top layers) Solid timber in accordance with EN 338: $\geq 90\%$ C24; $< 10\%$ C16
	Bending strength	Transverse layers (layers running at right angles to the direction of the fibres in the top layer)
	Compression strength	Solid timber in accordance with EN 338: $\geq 90\%$ C24; $< 10\%$ C16
	Tensile strength	Top / Longitudinal / Transverse layers
	Shear strength	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	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.
	Adhesive strength	
	Thermal conductivity λ	0.12 W/(m ² *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
	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