

## Declaration of Performance

Nr. HWB-DOP 2

- 1. Unique code of the product type**  
Spruce glued laminated beams
  
- 2. Intended use of the construction product in accordance with the applicable harmonized technical specification:**  
Buildings and bridges
  
- 3. Name, registered trade name or registered trade mark as well as contact address of the manufacturer pursuant to Art 11, (5) of EU regulation 305/2011:**  
Holzwerke Bullinger GmbH & Co.KG  
Ahornallee 7  
16818 Werder (Neuruppin), Germany
  
- 4. Name and address of the authorized representative:**  
Andreas Bullinger  
Ahornallee 7  
16818 Werder (Neuruppin); Germany
  
- 5. System or systems of assessment and verification of constancy of performance of the construction as set out in Annex V**  
System 1
  
- 6a. Harmonized Standard:**  
EN14080:2013
  
- 6b. Notification body:** MPA Stuttgart 0672

### 6. Declared performance

Performance Characteristics - Glued laminated Beams		
Essential properties		Glulam - Spruce/Fir
<b>Mechanical properties of laminated products</b>	Properties of Lumber	Strength grading according to EN14081-1
	Bending Strength	Classification of lamella strength grades based on EN338 Assignment of strength classes according to Tab. 4 or Tab. 5 EN 14080 GL24c, GL24h GL28c, GL28h
	Compression Strength	
	Tension Strength	
	Shear Strength	

	Elasticity Module	GL30c, GL30h GL32c, GL32h
	Glueing Strength	
	Strength of Fingerjoints	
<b>Fire resistance</b>	Geometrical Data	NPD-respective dimensions can be obtained from the accompanying documents
	Additional for glulam with universal-fingerjoints: bending strength of universal fingerjoints	NPD
<b>Glueing Strength</b>	Integrity of glued joint between surfaces	Delamination testing according to EN 14080, annex C, method B
	Glued Joint between glulam components	
	Universal-Fingerjoints	NPD
<b>Fire resistance</b>		D-s2,d0
<b>Emission of formaldehyde</b>		E1
<b>Release of dangerous substances</b>		NPD
<b>Durability of bonding strength</b>	Specie	Spruce/Fir
	Adhesive	MUF / Typ I acc. to DIN EN 301 I 90 FJ 0,1 S (fingerjoint) I 90 GP 0,3 S (lamella) Kauramin/Typ 1 acc. to DIN EN301 I 90 GF 1,5 M (assembled glulam)
<b>Durability against infestation of biological Organism</b>	Lamella without treatment	Durability class 4 acc. to EN 350-2
	Lamella with treatment	NPD

**7. The performance of the product identified is in conformity with the declared performance.**

This declaration of performance issued under the EU regulation Nr. 305/2011 is in sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Andreas Bullinger, President

Werder, 29.6.2018



(Signature)