

# Declaration of Performance

Nr. DOP-WH-3032 WIEHAG 0636

Rev. 02

# WIEHAG

TIMBER CONSTRUCTION

1. Unique identifier code of the product type: **Composite components made of glued laminated timber according to EN 14080:2013**  

<b>Glulam: GL 20 h</b>	<b>Glulam: GL 28 h</b>
<b>Glulam: GL 24 c</b>	<b>Glulam: GL 30 c</b>
<b>Glulam: GL 24 h</b>	<b>Glulam: GL 30 h</b>
<b>Glulam: GL 28 c</b>	<b>Glulam: GL 32 c</b>
	<b>Glulam: GL 32 h</b>
2. Identification of the construction product according to article 11 serial numbers or any other indicator: **The batches or press part number can be gathered from the component marking**
3. Purpose: **Buildings and Bridges**
4. Manufacturer: **Fa. Wiehag Timber Construction GmbH  
Wiehag Straße 10  
4950 Altheim  
Austria**
5. Authorized representative: **No authorized representative**
6. System for assessment and verification of the constancy of performance: **System 1**
- 7.a) Harmonized Standard: **EN 14080:2013**
- 7.b) Notified digit: **Nr. 1359 HOLZFORSCHUNG AUSTRIA**
8. Declared performance

Essential characteristics	Performance
<b>Mechanical properties covering the following: Modulus of elasticity, bending strength, compressive strength, tensile strength and shear strength as:</b>	
Properties of timber and Strength of finger joints	<b>PCAB - spruce/ ABAL - fir: (Picea abies / Abies alba)</b>
	Glulam: GL 20 h      Glulam: GL 28 h Glulam: GL 24 c      Glulam: GL 30 c Glulam: GL 24 h      Glulam: GL 30 h Glulam: GL 28 c      Glulam: GL 32 c Glulam: GL 32 h
	<b>LADC - Larch (Larix decidua)</b>
	Glulam: GL 24 c      Glulam: GL 24 c Glulam: GL 24 h      Glulam: GL 24 h Glulam: GL 28 c      Glulam: GL 28 c
	<b>LASI - Larch (Larix sibirica)</b>
	Glulam: GL 24 c      Glulam: GL 24 c Glulam: GL 24 h      Glulam: GL 24 h Glulam: GL 28 c      Glulam: GL 28 c
Geometric data	<b>PSMN – Douglas fir: (Pseudotsuga menziesii)</b>
	Glulam: GL 24 c      Glulam: GL 24 c Glulam: GL 24 h      Glulam: GL 24 h
Geometric data	For all product types: Width from 40 mm till 260 mm in individual cross-section or multiples thereof Height from 80 mm till 3.200 mm and length till 51 m The measurements will be displayed on the accompanying documents.
<b>Bonding strength</b>	
Strength of finger joints and  Bonding strength of bonds between laminates	For all product types: See mechanical properties, strength of finger joints For all product types: Delamination test according to EN 14080 Annex C, Method B or Shear test according to EN 14080, Annex D for block glued bonding

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Reaction to fire as		
Reaction to fire class	For all product types: D-s2, d0 according to delegated regulation (EU)2017/1227 of the commission from 20.03.2017	
Resistance to fire as		
Strength class and geometric data	See mechanical properties	
Emission of formaldehyde		
Formaldehyde emission class	For all product types: E1	
Release of other dangerous substances		
Release of other dangerous substances	For all product types: not defined (NPD)	
Durability of bonding strength		
PCAB - spruce/ ABAL - fir: (Picea abies / Abies alba)	Glulam: GL 20 h Glulam: GL 24 c Glulam: GL 24 h Glulam: GL 28 c	Glulam: GL 28 h Glulam: GL 30 c Glulam: GL 30 h Glulam: GL 32 c Glulam: GL 32 h
LADC - larch (Larix decidua)	Glulam: GL 24 c Glulam: GL 24 h Glulam: GL 28 c	Glulam: GL 28 h Glulam: GL 30 c Glulam: GL 30 h
LASI - larch (Larix sibirica)	Glulam: GL 24 c Glulam: GL 24 h Glulam: GL 28 c	Glulam: GL 28 h Glulam: GL 30 c Glulam: GL 30 h
PSMN – Douglas fir: (Pseudotsuga menziesii)	Glulam: GL 24 c Glulam: GL 24 h	Glulam: GL 28 h Glulam: GL 30 h
Adhesive	For all product types: Adhesive for finger joints: MUF TYP I acc. to EN 301 I 90 FJ 0,1S Adhesive for surfacebonding: MUF TYP I acc. to EN 301 I 90 GP 0,3S Adhesive for block joints: MUF TYP I acc. to EN 301 I 90 GF 1.5M PRF TYP I acc. to EN 301 I 90 GF 1.5M	
Durability of other characteristics (i.e. resistance against biological attack)		
Laminations without preservative treatment	Durability against timber-destroying fungi according to EN 350-2 for all product types	

The performance of the above product fulfills the declared performance. The abovementioned manufacturer has the sole responsibility for the preparation of the declaration of performance in accordance with the regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:  
Altheim on 11.14.2023

  
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Dr. Erich Wiesner, Management CEO