

Declaration of Performance

Nr. DOP-WH-3032PT 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 with preservative treatment**

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
2. Identification of the construction product according to article 11 section 4 BauPOV after types, batches, 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
Mechanical properties covering the following: Modulus of elasticity, bending strength, compressive strength, tensile strength and shear strength as:	
Properties of timber and Strength of finger joints	PCAB - spruce/ ABAL - fir: (Picea abies / Abies alba)
	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
	LADC - Larch (Larix decidua)
	Glulam: GL 24 c Glulam: GL 24 c Glulam: GL 24 h Glulam: GL 24 h Glulam: GL 28 c Glulam: GL 28 c
	LASI - Larch (Larix sibirica)
	Glulam: GL 24 c Glulam: GL 24 c Glulam: GL 24 h Glulam: GL 24 h Glulam: GL 28 c Glulam: GL 28 c
	PSMN – Douglas fir: (Pseudotsuga menziesii)
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.
Bonding strength	
Strength of finger joints and	For all product types: See mechanical properties, strength of finger joints

Declaration of Performance

Nr. DOP-WH-3032PT WIEHAG 0636

Rev. 02

WIEHAG

TIMBER CONSTRUCTION

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)		
Type of treatment and means of protection	Surface treatment with wood preservative	
Depth of penetration	Surface treatment NP1 coat, wipe or roller	
Quantity of surface treatment	100g/ m ² / according to technical data sheet of the manufacturer	
Target organism	P, B, Iv	
Bonding strength of bonds between laminates	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	

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


Dr. Erich Wiesner, Management CEO