Declaration of Performance

Nr. DOP-WH-3031PT WIEHAG 0636

Rev. 02

WIEHAG TIMBER CONSTRUCTION

1. Unique identifier code of the product type: ***Glulam with large finger joints according EN 14080:2013 with preservative treatment***

   Glulam: GL 24 h
   Glulam: GL 28 c

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 24 h Glulam: GL 28 c **LADC - larch (Larix decidua)** Glulam: GL 24 h
Bending strength of universal finger joints	**PCAB - spruce/ ABAL - fir: (Picea abies / Abies alba)** Glulam: GL 24 h => fm,lfj,k = 19,4 Mpa Glulam: GL 28 c => fm,lfj,k = 18,5 Mpa **LADC - larch (Larix decidua)** Glulam: GL 24 h => fm,lfj,k = 23,0 Mpa
Service class for universal finger joints	SC1, SC2
Geometric data	Width from 40 mm till 260 mm (block glued till 400 mm) 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 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

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Durability of bonding strength	
Wood species	**PCAB - spruce/ ABAL - fir: (Picea abies / Abies alba)** Glulam: GL 24 h Glulam: GL 28 c **LADC - larch (Larix decidua)** Glulam: GL 24 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 universal finger joints: MUF TYP I acc. to EN 301 I 90 GF 1.5M
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	characteristic density of the particular strength class and wood type **PCAB - spruce/ ABAL - fir: (Picea abies / Abies alba)** Glulam: GL 24 h Glulam: GL 28 c **LADC - larch (Larix decidua)** Glulam: GL 24 h
Emission of formaldehyde	
Formaldehyde emission class	For all product types: E1
Durability of other characteristics (i.e. resistance against biological attack)	
Release of other dangerous substances	For all product types: no performance determined (NPD)
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/ m² / according to technical data sheet of the manufacturer
Target organism	P, B, Iv

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