



## Declaration of Performance

No. DOP\_MMKG\_101

1. Unique identifier code of the product type: product typ 1 **glued laminated timber GL24c**  
product typ 2 **glued laminated timber GL24h**  
product typ 3 **glued laminated timber GL28c**  
product typ 4 **glued laminated timber GL28h**  
product typ 5 **glued laminated timber GL30c**  
product typ 6 **glued laminated timber GL30h**
2. Purpose: In buildings and bridges
3. Manufacturer: **Mayr-Melnhof Holz Gaishorn GmbH**  
**8783 Gaishorn am See 182, Austria**
4. Authorised representative: **No external authorised representative**
5. System for assessment and verification of the constancy of performance:  
**System 1**
- 6.a) Harmonised standard: **EN 14080:2013**  
Notified body: **NB 1359 (Holzforschung Austria)**
7. 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 as	Strength class for: product typ 1 <b>GL24c</b> product typ 2 <b>GL24h</b> product typ 3 <b>GL28c</b> product typ 4 <b>GL28h</b> product typ 5 <b>GL30c</b> product typ 6 <b>GL30h</b>  The allocation of the construction products supplied to the individual strength classes can be taken from the accompanying documents.
Geometrical data	For all product types: Widths of 80 mm to 280 mm Heights of 100 mm to 2,400 mm  The relevant product dimensions can be taken from the accompanying documents.
<b>Bonding strength as</b>	
Strength of finger joints and	For all product types: See mechanical properties, strength of finger joints
Bonding strength of bonds between laminates	For all product types: Delamination test according to EN 14080, Annex C, Method B
<b>Reaction to fire as</b>	
Reaction to fire class	For all product types: D-s2, d0 pursuant to EN 14080, Table 11



<b>Resistance to fire as</b>	
Strength class and Geometrical data	characteristic density of the relevant strength class spruce (Picea Abies) see „Geometric data“
<b>Emission of formaldehyde as</b>	
Formaldehyde emission class	For all product types: E1
<b>Release of other dangerous substances</b>	
Release of other dangerous substances	For all product types: No performance declared (NPD)
<b>Durability of bonding strength as</b>	
Wood species,	For all product types: spruce (Picea Abies)
Adhesive	For all product types: Adhesive for finger joints: MUF, EN 301-I-90-FJ-0,3-S, PUR EN 15425 Adhesive for bonds between laminations: MUF, EN 301-I-90-GP-0,3-S
<b>Durability of other characteristics (i.e. resistance against biological attack) as</b>	
Laminations without preservative treatment	Durability against timber-destroying fungi according to EN 350 for all product types: DC 5

The performance of the above product fulfils 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:

Manfred Glaser  
General Manager

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Gaishorn, 23.11.2021

Signed for and on behalf of the manufacturer by:

Bernhard Waldner  
General Manager

.....  
Gaishorn, 23.11.2021



NB 1359

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**8783 Gaishorn am See 182 – Austria**

DOP\_MMKG\_101

15

1359 – CPR - 0637

**EN 14080:2013**

Glued laminated timber made from conifer without preservative treatment to be used in buildings and bridges

**Mechanical properties and resistance to fire as**

– Strength class	product typ 1: <b>GL24c</b>
– Geometrical data	Widths 80 mm - 280 mm Heights 100 mm - 2,400 mm

**Bonding strength as strength of the**

Finger joints	product typ 1: <b>GL24c</b>
– Adhesive joints	Delamination test according to EN 14080, Annex C, Method B

**Reaction to fire** D-s2, d0

**Emission of formaldehyde** E1

**Durability of bonding strength as**

– Wood species	Spruce ( <i>Picea abies</i> )
– Adhesive for face bonding between laminations	MUF, I GP 90S
– Adhesive for finger joints	MUF, I FJ 90S PUR EN 15425

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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**Mechanical properties and resistance to fire as**

– Strength class	product typ 2: <b>GL24h</b>
– Geometrical data	Widths 80 mm - 280 mm Heights 100 mm - 2,400 mm

**Bonding strength as strength of the**

Finger joints	product typ 2: <b>GL24h</b>
– Adhesive joints	Delamination test according to EN 14080, Annex C, Method B

**Reaction to fire** D-s2, d0

**Emission of formaldehyde** E1

**Durability of bonding strength as**

– Wood species	Spruce ( <i>Picea abies</i> )
– Adhesive for face bonding between laminations	MUF, I GP 90S
– Adhesive for finger joints	MUF, I FJ 90S PUR EN 15425

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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**Mechanical properties and resistance to fire as**

– Strength class	product typ 3: <b>GL28c</b>
– Geometrical data	Widths 80 mm - 280 mm Heights 100 mm - 2,400 mm

**Bonding strength as strength of the**

Finger joints	product typ 3: <b>GL28c</b>
– Adhesive joints	Delamination test according to EN 14080, Annex C, Method B

**Reaction to fire** D-s2, d0

**Emission of formaldehyde** E1

**Durability of bonding strength as**

– Wood species	Spruce ( <i>Picea abies</i> )
– Adhesive for face bonding between laminations	MUF, I GP 90S
– Adhesive for finger joints	MUF, I FJ 90S PUR EN 15425

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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**Mechanical properties and resistance to fire as**

– Strength class	product typ 4: <b>GL28h</b>
– Geometrical data	Widths 80 mm - 280 mm Heights 100 mm - 2,400 mm

**Bonding strength as strength of the**

Finger joints	product typ 4: <b>GL28h</b>
– Adhesive joints	Delamination test according to EN 14080, Annex C, Method B

**Reaction to fire** D-s2, d0

**Emission of formaldehyde** E1

**Durability of bonding strength as**

– Wood species	Spruce ( <i>Picea abies</i> )
– Adhesive for face bonding between laminations	MUF, I GP 90S
– Adhesive for finger joints	MUF, I FJ 90S PUR EN 15425

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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**Mechanical properties and resistance to fire as**

– Strength class	product typ 5: <b>GL30c</b>
– Geometrical data	Widths 80 mm - 280 mm Heights 100 mm - 2,400 mm

**Bonding strength as strength of the**

Finger joints	product typ 5: <b>GL30c</b>
– Adhesive joints	Delamination test according to EN 14080, Annex C, Method B

**Reaction to fire** D-s2, d0

**Emission of formaldehyde** E1

**Durability of bonding strength as**

– Wood species	Spruce ( <i>Picea abies</i> )
– Adhesive for face bonding between laminations	MUF, I GP 90S
– Adhesive for finger joints	MUF, I FJ 90S PUR EN 15425

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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**Mechanical properties and resistance to fire as**

– Strength class	product typ 6: <b>GL30h</b>
– Geometrical data	Widths 80 mm - 280 mm Heights 100 mm - 2,400 mm

**Bonding strength as strength of the**

Finger joints	product typ 6: <b>GL30h</b>
– Adhesive joints	Delamination test according to EN 14080, Annex C, Method B

**Reaction to fire** D-s2, d0

**Emission of formaldehyde** E1

**Durability of bonding strength as**

– Wood species	Spruce ( <i>Picea abies</i> )
– Adhesive for face bonding between laminations	MUF, I GP 90S
– Adhesive for finger joints	MUF, I FJ 90S PUR EN 15425

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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