



## Declaration of Performance

No. DOP\_MMHW\_101

1. Unique identifier code of the product type: product type 1 **glued laminated timber GL24c**  
 product type 2 **glued laminated timber GL24h**  
 product type 3 **glued laminated timber GL28c**  
 product type 4 **glued laminated timber GL28h**  
 product type 5 **glued laminated timber GL30c**  
 product type 6 **glued laminated timber GL30h**  
 product type 7 **glued laminated timber GL32c**
2. Purpose: In buildings and bridges
3. Manufacturer: **Mayr-Melnhof Holz Wismar GmbH**  
**Am Torney 14, 23970 Wismar, Germany**
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 type 1 <b>GL24c</b> product type 2 <b>GL24h</b> product type 3 <b>GL28c</b> product type 4 <b>GL28h</b> product type 5 <b>GL30c</b> product type 6 <b>GL30h</b> product type 7 <b>GL32c</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 35 mm to 300 mm Heights of 75 mm to 1,040 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-0,1-S 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 above-mentioned 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:

Hendrik Steffen  
General Manager

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Wismar, 2023.05.03

Signed for and on behalf of the manufacturer by:

Bernhard Waldner  
General Manager

.....  
Wismar, 2023.05.03



CE

NB 1359

**Mayr-Melnhof Holz Wismar GmbH**  
**Am Torney 14, 23970 Wismar, Germany**

DOP\_MMHW\_101

15

1359 – CPR - 0790

**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 type 1: <b>GL24c</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 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

**Durability of additional characteristics**

– Laminations without preservative treatment	Timber destroying fungi according to EN 350: DC 5
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to be used in buildings and bridges

**Mechanical properties and resistance to fire as**

– Strength class	product type 2: <b>GL24h</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 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

**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 type 3: <b>GL28c</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 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

**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 type 4: <b>GL28h</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 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

**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 type 5: <b>GL30c</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 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

**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 type 6: <b>GL30h</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 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

**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 type 7: <b>GL32c</b>
– Geometrical data	Widths 35 mm - 300 mm Heights 75 mm - 1,040 mm

**Bonding strength as strength of the**

Finger joints	product type 7: <b>GL32c</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

**Durability of additional characteristics**

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