Declaration of Performance
No. DOP_MMH_201

1. Unique identifier code of the product type: **Cross laminated timber (MM crosslam)**
2. Intended use: In buildings and bridges
3. Manufacturer: **Mayr-Melnhof Holz Holding AG**
   Turmgasse 67, 8700 Leoben, Austria
4. Authorised representative: **No external authorised representative**
5. System for assessment and verification of the constancy of performance:
   System 1

6.b) European Technical Assessment: **ETA-09/0036 of 21.04.2023**

Notified body: **NB 1359 (Holzforschung Austria)**

7. Declared performance:

Essential characteristics	Performance
Mechanical properties as:	
Modulus of elasticity Bending strength Compression strength Tensile strength Shear strength	Surface Lamellas: C16 / T11 - C35 / T21 Middle Lamellas: max. 30% C16 / T11 Characteristic properties according to ETA-09-0036, annex 4
Geometrical data	Thickness from 36 - 360 mm Widths ≤ 4.000 mm Length ≤ 18.000 mm
Bonding strength as	
Strength of finger joints Glue line integrity of surface bonding	According to requirements EN 14080, table 2 and table 3 Delamination test according EN 14080, annex C, method B
Durability of bonding strength as	
Wood species Adhesive	Spruce (*Picea abies*), Fir *(Abies alba),* Larch (*Larix decidua*), Pine (*Pinus sylvestris*) Adhesive for finger joints: PUR, EN 15425 I 90 GP 0,3 w Adhesive for surface bonding: MUF, EN 301 I 90 GP 0,3 s PUR, EN 15425 I 90 GP 0,3 w
Durability against biological attack as	
Durability against timber-destroying fungi according to EN 350	5

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Resistance to fire as	
Geometrical data	see „Geometric data“ and ETA-09/0036 annex 1
Charring rate as - Characteristic density - Wood species	 ≥380 kg/m³ Spruce (*Picea abies*), Fir (Abies alba), Larch (*Larix decidua*), Pine (*Pinus sylvestris*)
<u>Charring rate for MUF</u> - Charring of the cover layer - Charring of more layers than the cover layer	<u>Floor / Roof</u> <u>Wall</u> 0,65 mm/min 0,60 mm/min 0,76 mm/min *) 0,71 mm/min
<u>Charring rate for PUR</u> - Charring of the cover layer - Charring of more layers than the cover layer	<u>Floor / Roof</u> <u>Wall</u> 0,65 mm/min 0,63 mm/min 1,30 mm/min *) 0,86 mm/min *) until 25 mm of charring. Afterwards the charring rate 0.65 mm/min applies up to the next glue line.
Reaction to fire as	
Reaction to fire class	D-s2, d0 D_{fl}-s1 (application as flooring)
Emission of formaldehyde as	
Formaldehyde emission class	E1
Release of other dangerous substances	
Release of other dangerous substances	Not relevant

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:

Richard Stralz
Management Board

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Leoben, 10.04.2025

Michael Wolfram
Management Board

……...

Leoben, 10.04.2025

WHERE IDEAS CAN GROW.

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CE

NB 1359

Mayr-Melnhof Holz Holding AG

Turmgasse 67, 8700 Leoben – Austria

DOP_MMH_201

23

1359 – CPR – 0641

Cross laminated timber (MM crosslam)

according to **ETA-09/0036**

EAD 130005-00-0304

Mechanical properties and resistance to fire as	
– Geometrical data (mm)	according to accompanying documents
– Strength class and characteristic density	according to ETA-09/0036
– Wood species	Spruce (*Picea abies*) Fir *(Abies alba)* Larch (*Larix decidua*) Pine (*Pinus sylvestris*)
Bonding strength as	
– Strength of the Finger joints	EN 14080
– Strength of the Adhesive joins	EN 14080, annex C, method B
Reaction to fire	D-s2, d0 D_{fl}-s1 (application as flooring)
Emission of formaldehyde	E1
Durability of bonding strength as	
– Adhesive for finger joints	PUR, EN 15425 I 90 GP 0,3 w
– Adhesive for face bonding between laminations	MUF, EN 301 I 90 GP 0,3 s PUR, EN 15425 I 90 GP 0,3 w
Durability of additional characteristics as	
– Durability against timber destroying fungi	EN 350: DC 5

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