



Declaration of Performance
No. 101

1. Unambiguous ID code of the product type: **glued laminated timber made from coniferous wood without preservative treatment**
2. Intended use: **structural work and bridges**
3. Manufacturer: **Mayr-Melnhof Holz Reuthe GmbH**
4. Authorized representative: **no external authorized representative**
5. System for assessing and verifying the constancy of performance:
System 1
- 6.a) Harmonized standard: **EN 14080:2013**
Notified body: **No. 1359**
7. Performance declared:

| Essential characteristics | Performance |
|---|---|
| Mechanical properties as | |
| modulus of elasticity bending strength compressive strength tensile strength shear strength | Mechanical properties of strength classes GL20h, GL24c, GL 24h, GL 24hs, GL 28c, GL 28h, GL 30c, GL30h The allocation of the construction products supplied to the individual strength classes can be taken from the accompanying documents. |
| Geometric data | widths ranging between 80 mm and 260 mm heights ranging between 100 mm and 2 400 mm lengths of up to 34 m The relevant product dimensions can be taken from the accompanying documents. |
| Bonding strength as | |
| bending strength of finger joints glue line integrity | as specified pursuant to EN 14080, Table 2 & 3 delamination test pursuant to EN 14080, Annex C, Method B |
| Durability of bonding strength as | |
| species, adhesive | spruce (<i>Picea Abies</i>), larch (<i>Larix</i>) adhesive for finger-joints: MUF, EN 301-I-90-FJ-0,3-S adhesive for surface bonding: MUF, EN 301-I-90-GP-0,3-S |



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| Durability against biological attack as | |
| natural durability class against wood destroying fungi EN 350-2 | 5 |
| Fire resistance as | |
| geometric data charring rate as • characteristic density • species | see „Geometric data“ characteristic density of the relevant strength class spruce (<i>Picea Abies</i>), larch (<i>Larix</i>) |
| Reaction to fire as | |
| Reaction to fire class | D-s2, d0 pursuant to EN 14080, Table 11 |
| Emission of formaldehyde as | |
| formaldehyde emission class | E 1 |
| Release of other dangerous substances | |
| release of other dangerous substances | not relevant |

The performance of the above product conforms to the performance declared. The above named manufacturer is exclusively responsible for preparing the Declaration of Performance in accordance with Regulation EU/305/2011.


Signed on behalf of the manufacturer and in his name by:

Horst Baurenhas
General Manager

Reuthe 29.03.2016

WHERE
IDEAS
CAN
GROW.

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|--|---|
|  1359 | |
| Mayr-Melnhof Holz Reuthe GmbH 15 1359 – CPR - 0623 | |
| EN 14080:2013 Glued laminated timber made from conifere without preservative treatment to be used in buildings and bridges | |
| Mechanical properties and fire resistance as | |
| – geometric data | see delivery note |
| – strength class and characteristic density | GL20h, GL24hs GL24c, GL24h, GL 28c, GL28h, GL30c, GL 30h |
| – species | spruce (<i>Picea abies</i>) larch (<i>Larix</i>) |
| Bonding strength as | |
| – bending strength of finger joints | pursuant to EN 14080:2013 |
| – glue line integrity | B |
| Reaction to fire | D-s2, d0 |
| Emission of formaldehyde | E1 |
| Durability of bonding strength as | |
| – species | spruce (<i>Picea abies</i>) larch (<i>Larix</i>) |
| – adhesive for the surface bonding between the lamellas | MUF, IGP90S |
| – adhesive for finger joints | MUF, IFJ90S |
| Durability of other properties as | |
| – natural durability against wood destroying fungi | 5 |