

Declaration of Conformity

No.: DOC_HHS_BSH

1. Unique product type identification code:

Glued laminated timber HHS

2. Intended use of the building product according to harmonized technical specification:

Buildings and Bridges

3. Name, registered trade name or brand, along with the address of the producer according to EU regulation No. 305/2011 and "Construction Products (Amendment etc.) (EU Exit) Regulations 2020":

HASSLACHER Holzbausysteme GmbH
Feistritz 1
9751 Sachsenburg
Austria

Manufacturing plant address: **Kühweg 35**
9620 Hermagor
Austria

4. Name and address of the authorized agent for the tasks referred to EU regulation No. 305/2011 and "Construction Products (Amendment etc.) (EU Exit) Regulations 2020":

HASSLACHER TIMBER UK LTD
16 Great Queen Street
Covent Garden, London
United Kingdom

5. System of assessment and verification of performance constancy pursuant to EU regulation No. 305/2011 and "Construction Products (Amendment etc.) (EU Exit) Regulations 2020":

System 1

6. If the building product is regulated by a harmonized standard:

EN 14080:2013

7. Assessment Body(ies):

No. 1245 (CATG Limited)

8. If the building product is regulated by a United Kingdom Technical Assessment (UKTA):

Not applicable

9. Declaration of conformity/performance:

Main Features and Characteristics		Performance
Mechanical characteristics of glued laminated products	Characteristics of timber	NPD
	Bending strength	Classification based on the characteristics of laminations according EN 338 – assignment of strength class corresponding Table 4 or 5 EN 14080 Spruce/Fir: GL20h, GL24h, GL24c, GL28h, GL28c, GL30h, GL30c, GL32h, GL32c, GL36hHHS ($f_{m,g,k} = 36 \text{ N/mm}^2$; $f_{t,0,g,k} = 28,8 \text{ N/mm}^2$; $f_{t,90,g,k} = 0,5 \text{ N/mm}^2$; $f_{c,0,g,k} = 36 \text{ N/mm}^2$; $f_{c,90,g,k} = 2,5 \text{ N/mm}^2$; $f_{v,g,k} = 3,5 \text{ N/mm}^2$; $f_{r,g,k} = 1,2 \text{ N/mm}^2$; $E_{0,g,\text{mean}} = 15750 \text{ N/mm}^2$; $E_{0,g,05} = 13100 \text{ N/mm}^2$; $E_{90,g,\text{mean}} = 300 \text{ N/mm}^2$; $E_{90,g,05} = 250 \text{ N/mm}^2$; $G_{g,\text{mean}} = 650 \text{ N/mm}^2$; $G_{g,05} = 540 \text{ N/mm}^2$; $G_{r,g,\text{mean}} = 65 \text{ N/mm}^2$; $G_{r,g,05} = 54 \text{ N/mm}^2$; $\rho_{g,k} = 460 \text{ kg/m}^3$; $\rho_{g,\text{mean}} = 520 \text{ kg/m}^3$), GL36cHHS ($f_{m,g,k} = 36 \text{ N/mm}^2$; $f_{t,0,g,k} = 25,3 \text{ N/mm}^2$; $f_{t,90,g,k} = 0,5 \text{ N/mm}^2$; $f_{c,0,g,k} = 31,7 \text{ N/mm}^2$; $f_{c,90,g,k} = 2,5 \text{ N/mm}^2$; $f_{v,g,k} = 3,5 \text{ N/mm}^2$; $f_{r,g,k} = 1,2 \text{ N/mm}^2$; $E_{0,g,\text{mean}} = 15300 \text{ N/mm}^2$; $E_{0,g,05} = 12750 \text{ N/mm}^2$; $E_{90,g,\text{mean}} = 300 \text{ N/mm}^2$; $E_{90,g,05} = 250 \text{ N/mm}^2$; $G_{g,\text{mean}} = 650 \text{ N/mm}^2$; $G_{g,05} = 540 \text{ N/mm}^2$; $G_{r,g,\text{mean}} = 65 \text{ N/mm}^2$; $G_{r,g,05} = 54 \text{ N/mm}^2$; $\rho_{g,k} = 440 \text{ kg/m}^3$; $\rho_{g,\text{mean}} = 480 \text{ kg/m}^3$) Pine, Larch: GL24h, GL24c, GL28h, GL28c
	Compression strength	
	Tensile strength	
	Shear strength	
	Modulus of elasticity	
	Bonding strength	
	Strength of finger joints	
	Additional for glued laminated timber with large finger joints: Bending strength of large finger joints	NPD
	Geometrical data	NPD
Resistance to fire		NPD
Bonding strength	Glue line integrity of surface bonding	Delamination test according EN 14080, Annex C, Test method B
	Glue lines between components of glued laminated timber	NPD
	Large finger joints	NPD

Reaction to fire		D-s2, d0
Emission of formaldehyde		E1
Release of other dangerous substances		NPD
Durability of bonding strength	Species	Spruce/Fir, Pine, Larch
	Adhesives	MUF / Type I according EN 301 I 90 FJ 0,1 S I 90 GP 0,3 S
Durability against biological attack	Lamination without preservative treatment	Durability class 5 according EN 350-2
	Lamination with preservative treatment	NPD

NPD – No Performance Determined

10. The performance of the previous product corresponds with the declared performance/the declared performances. For the creation of this conformity/performance in accordance with the EU regulation No. 305/2011 and the “Construction Products (Amendment etc.) (EU Exit) Regulations 2020” the manufacturer is uniquely responsible for.

HASSLACHER Holzbausysteme GmbH declares and takes full responsibility for compliance that the product is in conformity with the relevant statutory and regulatory requirements applicable to the product for UKCA marking as outlined above.

Signed in the name of the manufacturer:

Stefan Tassotti / managing director HASSLACHER Holzbausysteme GmbH

Name and position

HASSLACHER
 Holzbausysteme GmbH
 9751 Sachsenburg - Feistritz 1
 AUSTRIA | www.hasslacher.at
 T +43 4769 2249-0
 Ein Unternehmen der HASSLACHER NORICA TIMBER Gruppe
 A company of the HASSLACHER NORICA TIMBER Group

Sachsenburg, 01st July 2023

Place and date of issue

Stamp/signature