



Declaration of performance

BSH, glued laminated timber spruce/fir / SHI / 01-01062022

1. Unique identification code of the product type: : **Glued laminated timber made of spruce/fir without preservative treatment**
2. Indended use: **Buildings and bridges**
3. Manufacturer: **Schilliger Holz-Industrie AG
Haltikon 33
6403 Küssnacht am Rigi
Schweiz**
4. Authorised representative: **No external authorised representative**
5. System of assessment and verification of constancy of performance : **System 1**
- 6.a) Harmonised standard: **EN 14080:2013**
Notified body: **Nr. 1359**
7. Declared performances:

Essential characteristics	Performance
Mechanical properties	
Modulus of elasticity Flexural strength Compressive strength Tensile strength Shear strength	Mechanical properties of strength classes GL24h, GL28h and GL28c according to EN14080 The assignment of the supplied components to the individual strength classes can be found in the accompanying documents.
Geometric data	Widths from 100 mm to 280 mm Heights from 80 mm to 1,000 mm Lengths up to 18.0 m The respective product dimensions can be found in the accompanying documents.
Adhesive strength	
Bending strength of finger joints Adhesive joint integrity of the surface bonding	In accordance with the specifications of EN 14080, Table 2 and Table 3 Delamination test according to EN 14080, Annex C, Method B
Bond strength durability	
Wood species, Adhesive	Spruce (Picea Abies) / Fir (Abies Alba) Adhesive for finger joints: PUR, adhesive type I Adhesive for surface bonding: PUR, adhesive type I



Durability against biological infestation	
Natural durability class against wood-destroying fungi EN 350-2	5
Service class	Service classes 1 & 2, service class 3 only with special request Utilisation classes according to EN 1995-1-1
Fire resistance	
Geometric data	See 'Geometric data'
Characteristic density :	Characteristic density of the respective strength class
Wood species	Spruce (Picea Abies) / fir (Abies Alba)
Fire behaviour	
Fire behaviour class	D-s2, d0 according to EN 14080, Table 11
Formaldehyde emission	
Formaldehyde emission class	E1
Release of other hazardous substances	
Release of other hazardous substances	Not relevant

The performance of the above product is in conformity with the declared performance. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Ernest Schilliger, Member of the Management Board

Küssnacht am Rigi, 01.06.2022