

## Declaration of Performance

Unambiguous ID code of the product type: **Glulam - made of fully impregnated spruce Superwood**

Intended use: structural work and bridges, for exterior use only.

Manufacturer: **Lilleheden A/S  
Hovedvejen 114  
9850 Hirtshals  
Denmark**

Authorized representative: **no external authorized representative**

System for assessing and verifying the constancy of performance: **System 1**

Harmonized standard: **EN 14080:2013**

Notified body: **Nr. 0672**

Performance declared:

Essential characteristics	Performance
<b>Mechanical properties as</b>	
modulus of elasticity bending strength compressive strength tensile strength shear strength	Mechanical properties of strength classes for <i>Glulam</i> GL 24c <i>Glulam</i> GL 24cs The allocation of the construction products supplied to the individual strength classes can be taken from the accompanying documents.
<b>Geometric data</b>	for all product types widths ranging between 38 mm and 140 mm heights ranging between 100 mm and 900 mm lengths of up to 30 m The relevant product dimensions can be taken from the accompanying documents.
<b>Bonding strength as</b>	
bending strength of finger joints glue line integrity	for all product types as specified pursuant to EN 14080, Tables 2 & 3 delamination test pursuant to EN 14080, Annex C, Method B
<b>Durability of bonding strength as</b>	
species,  adhesive	<i>Glulam:</i> Spruce ( <i>picea abies</i> ) Growth area; NNE Europe (Northern and North Eastern Europe)  for all product types adhesive for finger-joints: MUF, EN301-I-90-FJ-0,1-S adhesive for surface bonding: MUF, EN301-I-90-GP-0,3-S

<b>Fire resistance as</b>	
geometric data charring rate as • characteristic density • species	NPD
<b>Reaction to fire as</b>	
Reaction to fire class	for all product types: D-s2, d0 pursuant to EN 14080, Table 11
<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	NPD
<b>Treatment</b>	
Treater:	Superwood A/S, Palsgårdvej 3, 7362 Hampen, Denmark
Method:	Supercritical impregnation
Preservative:	SC200 – Wood degrading fungi
Retention value:	target 120 g a.s. / m <sup>3</sup> – Impregnated for penetration class NP5 (EN351-1)
Recommended use class:	UC 3 to EN 335 (the product may only be used external)

The characteristics of the above product conform 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:

**Klaus Thomsen – Project Manager**

.....  
(Name and function)

Hirtshals 20/03-2025



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(Place & date of issue)

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(Signature)