

DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex V) Unilin LVL R

1. Unique identification code of the product-type: **Unilin_LVL_R_v1**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR: **see product label**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Structural laminated veneer lumber (LVL)**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): **Unilin, division panels, Ingelmunstersteenweg 229, B-8780 Oostrozebeke**
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): **not relevant**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: **AVCP 1**
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

The notified body MPA University Stuttgart (No 0672) performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

8. Declared performance

Table 1

Essential characteristics	Performance	Harmonised technical specification
Bending strength: Edgewise, parallel to grain (depth 300mm) Size effect parameter Edgewise, perpendicular to grain (depth 300mm) Flatwise, parallel to grain Flatwise, perpendicular to grain	44 N/mm ² 0,15 NPD 50 N/mm ² NPD	EN 14374:2004
Tension strength: Parallel to grain (length 3000mm) Perp. to grain, edgewise	36 N/mm ² 0.9 N/mm ²	
Compression strength: Parallel to grain Perp. to grain, edgewise Perp. to grain, flatwise	40 N/mm ² 7,5 N/mm ² 3,6 N/mm ²	
Shear strength: Edgewise, parallel to grain Edgewise, perpendicular to grain Flatwise, parallel to grain Flatwise, perpendicular to grain	4,6 N/mm ² NPD 2,6 N/mm ² NPD	

Modulus of elasticity:		
Parallel to grain (mean)	14000 N/mm ²	
Parallel to grain (5%-fractile)	12000 N/mm ²	
Perp. to grain, edgewise (mean)	NPD	
Perp. to grain, edgewise (5%-fractile)	NPD	
Perp. to grain, flatwise (mean)	NPD	
Perp. to grain, flatwise (5%-fractile)	NPD	

Table 1(Continued)

Essential characteristics	Performance	Harmonised technical specification
Shear modulus		EN 14374:2004
Edgewise, parallel to grain (mean)	600 N/mm ²	
Edgewise, parallel to grain (5%-fractile)	400 N/mm ²	
Flatwise, parallel to grain (mean)	560 N/mm ²	
Flatwise, parallel to grain (5%-fractile)	400 N/mm ²	
Flatwise, perpendicular to grain (mean)	NPD	
Flatwise, perpend. to grain (5%-fractile)	NPD	
Density (5%-fractile)	480 kg/m ³	
Density (mean value)	560 kg/m ³	
Bonding Quality	>70%	
Reaction to fire class	D-s1,d0	
Release of formaldehyde class	E1	
Durability class	4	

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Lode De Boe President Unilin panels	Oostrozebeke, 24/10/2016	
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