

**DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex V)  
No 03-0010-02**

1. Unique identification code of the product-type: STEICO LVL R<sup>L</sup>
2. 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 for buildings and bridges
3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): STEICO SE, Otto-Lilienthal-Ring 30, D-85622 Feldkirchen, email: [info@steico.com](mailto:info@steico.com)
4. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: AVCP 1
5. In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
Notified certification body No. 0672 MPA Stuttgart performed the determination of the product type on basis of type testing and type calculation
6. Declared performance

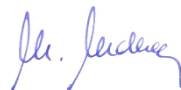
Essential Characteristics	Symbol	Unit	STEICO LVL R <sup>L</sup>	Harmonised Technical Specification	
<b>Bending strength</b>					
Edgewise, parallel to grain (depth 300 mm)	$f_{m,0,edge,k}$	N/mm <sup>2</sup>	30	<b>EN 14374:2004</b>	
Size effect parameter	S	-	0,15		
Edgewise, perpendicular to grain (depth 300 mm)	$f_{m,90,edge,k}$	N/mm <sup>2</sup>	NPD		
Flatwise, parallel to grain	$f_{m,0,flat,k}$	N/mm <sup>2</sup>	32		
Flatwise, perpendicular to grain	$f_{m,90,flat,k}$	N/mm <sup>2</sup>	NPD		
<b>Tensile strength</b>					
Parallel to grain (length 3 000 mm)	$f_{t,0,k}$	N/mm <sup>2</sup>	NPD		
Perpendicular to grain, edgewise	$f_{t,90,edge,k}$	N/mm <sup>2</sup>	NPD		
<b>Compression strength</b>					
Parallel to grain	$f_{c,0,k}$	N/mm <sup>2</sup>	38		
Perpendicular to grain, edgewise	$f_{c,90,edge,k}$	N/mm <sup>2</sup>	7,5		
Perpendicular to grain, flatwise	$f_{c,90,flat,k}$	N/mm <sup>2</sup>	3,0		
<b>Shear strength</b>					
Edgewise parallel to grain	$f_{v,0,edge,k}$	N/mm <sup>2</sup>	3,2		
Edgewise perpendicular to grain	$f_{v,90,edge,k}$	N/mm <sup>2</sup>	NPD		
Flatwise, parallel to grain	$f_{v,0,flat,k}$	N/mm <sup>2</sup>	2,6		
Flatwise, perpendicular to grain	$f_{v,90,flat,k}$	N/mm <sup>2</sup>	NPD		
<b>Modulus of elasticity</b>					
Parallel to grain	$E_{0,mean}$	N/mm <sup>2</sup>	11000		
Parallel to grain	$E_{0,k}$	N/mm <sup>2</sup>	8900		
Perpendicular to grain, edgewise	$E_{90,edge,mean}$	N/mm <sup>2</sup>	NPD		
Perpendicular to grain, edgewise	$E_{90,edge,k}$	N/mm <sup>2</sup>	NPD		
Perpendicular to grain, flatwise	$E_{m,90,flat,mean}$	N/mm <sup>2</sup>	NPD		
Perpendicular to grain, flatwise	$E_{m,90,flat,k}$	N/mm <sup>2</sup>	NPD		

Declared performance (continued)

Essential Characteristics	Symbol	Unit	STEICO LVL R <sup>L</sup>	Harmonised Technical Specification
<b>Shear modulus</b>				<b>EN 14374:2004</b>
Edgewise, parallel to grain	$G_{0,edge,mean}$	N/mm <sup>2</sup>	500	
Edgewise, parallel to grain	$G_{0,edge,k}$	N/mm <sup>2</sup>	350	
Flatwise, parallel to grain	$G_{0,flat,mean}$	N/mm <sup>2</sup>	NPD	
Flatwise, parallel to grain	$G_{0,flat,k}$	N/mm <sup>2</sup>	NPD	
Flatwise, perpendicular to grain	$G_{90,flat,mean}$	N/mm <sup>2</sup>	NPD	
Flatwise, perpendicular to grain	$G_{90,flat,k}$	N/mm <sup>2</sup>	NPD	
<b>Density</b>				
Mean value	$\rho_{mean}$	kg/m <sup>3</sup>	525	
Fifth percentile value	$\rho_k$	kg/m <sup>3</sup>	480	
<b>Bonding quality</b>	-	%	> 70	
<b>Reaction to fire</b>	-	-	D-s1,d0	
<b>Release of formaldehyde</b>	-	-	E1	
<b>Natural durability against biological attack</b>	-	-	4	

The performance of the product identified is in conformity with the declared performance.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Dr. Michael Makas Head of R&D / QM (name and function)	Feldkirchen, 22/12/2016 (place and date of issue)	b.o. (signature) 
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Date: 15/09/2016	Revised: 22/12/2016
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