

# Declaration of Performance

## No. SEWPVARDOP 04

### LVL by Stora Enso, T grade

**1. Construction product**

Structural laminated veneer lumber which fulfills the requirements according to EN 14374:2004. For further or more detailed information on the delivered product, in addition to what is given below, see information on the packaging or in possible accompanying commercial document.

**2. Type**

LVL by Stora Enso, T grade. Dimensions: Thickness 27-75 mm, Width 45-2500 mm

**3. Intended use of the construction product**

Buildings and bridges.

**4. Producer**

Company: Stora Enso Wood Products Oy Ltd Varkaus LVL – mill  
Address: Taipaleentie 15  
78201 Varkaus  
Finland  
Telephone: +358 2046 111  
E-mail: jaakko.huovinen@storaenso.com  
Web site: www.storaenso.com

**5. System of assessment and verification of constancy of performance of the construction product**

System 1

**6. Certification**

The notified body VTT Expert Services Oy (identification number 0809) has performed an initial inspection of the manufacturing plant and of the factory production control and performs continuous surveillance, assessment and evaluation of our factory production control. VTT Expert Services has issued CE Certificate of constancy of performance 0809-CPR-1196.

## 7. Declared performance

Performance for LVL in conformity with the harmonized European standard EN 14374:2004 Timber Structures – Structural laminated veneer lumber – Requirements.

Property	Performance	
<b>Thickness</b>	27–75 mm	EN 14374:2004
<b>Strength</b>		
Bending strength		
Edgewise (depth 300mm)	27,0 N/mm <sup>2</sup>	
Size effect parameter	0,15	
Flatwise	32,0 N/mm <sup>2</sup>	
Tension strength, Parallel to grain (length 3000mm)	24 N/mm <sup>2</sup>	
Compression strength, Parallel to grain	26 N/mm <sup>2</sup>	
Shear strength, edgewise parallel to grain	3,6 N/mm <sup>2</sup>	
Modulus of elasticity		
Parallel to grain, along, <b>mean</b>	10 000 N/mm <sup>2</sup>	
Parallel to grain, along, <b>5 % -fractile</b>	8 800 N/mm <sup>2</sup>	
<b>Density</b>		
Mean	440 kg/m <sup>3</sup>	
5 % - fractile	410 kg/m <sup>3</sup>	
<b>Reaction to fire</b>	D-s1, d0	
<b>Release of formaldehyde</b>	E1	
<b>Natural durability against biological attack</b>	4	

8. The performance for our construction product LVL by Stora Enso, T grade is in accordance with the declared performance given in point 7. The manufacturer mentioned in point 4 is solely responsible for this declaration of performance.

Varkaus  
15.07.2020



Jaakko Huovinen  
Operations Director  
Stora Enso Wood Products Varkaus Unit