

# DECLARATION OF PERFORMANCE

## Machine strength graded structural timber

### 1. Construction product

Machine strength graded structural timber which fulfills the requirements according to EN 14081-1:2005+A1:2011. 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: 18102

M C18, Spruce (PCAB), Dimension: Thickness 30-100 mm, Width 60-250 mm

### 3. Intended use of the construction product

For load-bearing purposes in construction works designed according to Eurocode 5 (EN 1995) and for other uses where the strength and stiffness of the structure is essential.

### 4. Producer

Company: Stora Enso Wood Products Oy Ltd Varkaus Sawmill

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FIN-78201 Varkaus

Finland

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Web site: [www.storaenso.com](http://www.storaenso.com)

### 6. System of assessment and verification of constancy of performance of the construction product

System 2+.

### 7. Certification

The notified body Inspecta Certification Oy (identification number 0416) 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. Inspecta Certification has issued EC Certificate of Factory Production Control No. 0416-CPD-4785.



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## 9. Declared performance

Performance for machine strength graded structural timber in conformity with the harmonized European standard EN 14081-1:2005+A1:2011 Timber structures – Strength graded structural timber with rectangular cross section – Part 1: General requirements.

### *Essential characteristics*

### *Declared performance*

Growth area

NNE Europe (Northern and North Eastern Europe)

Surface finish

Sawn or planed

Dry or wet graded

Dry graded

Grading machine


Microtec/Viscan

Strength properties	Characteristic values	
Bending strength	18 N/mm <sup>2</sup>	EN 14081:2010+A1:2011
Compression parallel	18 N/mm <sup>2</sup>	
Tension parallel	11 N/mm <sup>2</sup>	
Resistance to shear	3,4 N/mm <sup>2</sup>	
Mean modulus of elasticity parallel	9 kN/mm <sup>2</sup>	
Durability	Class 2	
Reaction of fire	D-s2, d0	

That the performance for our construction product machine strength graded structural timber is in accordance with the declared performance given above is certified:

Varkaus 2013-05-24

Varkaus Sawmill

  
 .....  
 (signature)

Jaakko Huovinen  
 Mill Manager



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