

# DECLARATION OF PERFORMANCE

## Machine strength graded structural timber

### 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.

### 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.

### Producer

Company: Södra Timber AB

Ramkvilla

Address: Höreda 14

SE-574 74 Ramkvilla

Sweden

Telephone: +46 474-60663

E-mail: [carl.peter.froberg@sodra.com](mailto:carl.peter.froberg@sodra.com)

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

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

System 2+.

### Certification

The notified body SP Technical Research Institute of Sweden (identification number 0402) 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. SP has issued EC Certificate of Factory Production Control No. 0402 – CPD – 334203.

### 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*

Species/species group

WPPA: spruce (*Picea abies*) and pine (*Pinus sylvestris*)

Growth area

NNE Europe (Northern and North Eastern Europe)

Range of thickness (fire resistance)

36-70 mm

Range of width (fire resistance)	70-295 mm
Surface finish	Sawn or planed
Dry or wet graded	Dry graded
Grading machine	Machine Dynagrade model 1B, serie no 052
Strength, stiffness and density	According to EN 338: C30, C27, C24, C22, C20, C18 or C16; According to EN 14081-4 or relevant ITT-report: TR26;
Durability	4 (according to EN 350-2)
Reaction to fire	D-s2, d0 (according to EN 14081-1, Table C.1)
Release of dangerous substances	No dangerous substance to be declared

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

Ramkvilla.....<sup>6/5 2013</sup>  
(place and date of issue)

Södra Timber AB

  
(signature)

Carl Peter Frsberg, platschef  
(name and function)