

DECLARATION OF PERFORMANCE

Strength graded structural timber

Construction product

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

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
Address: Skogsudden
SE-35189 Växjö
Sweden
Telephone: +46 470-89910
E-mail: kundservicetimber@sodra.com
Web site: 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 as detailed in the table below.

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.

<i>Essential characteristics</i>	<i>Declared performance</i>
Species/species group	WPPA: spruce (<i>Picea abies</i>) and pine (<i>Pinus sylvestris</i>)
Growth area	NNE Europe (Northern and North Eastern Europe)
Range of thickness (fire resistance)	30 - 75 mm
Range of width (fire resistance)	60 -300 mm
Surface finish	Sawn or planed
Dry or wet graded	Dry graded
Grading machine	Dynagrade or Rosgrade
Strength, stiffness and density	According to EN 338: C30, C27, C24, 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

Performance for visually strength graded structural timber (according to BS 4978:2007+A1:2011) 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 (<i>Picea abies</i>) and pine (<i>Pinus sylvestris</i>)
Growth area	NNE Europe (Northern and North Eastern Europe)
Range of thickness (fire resistance)	22 - 100 mm
Range of width (fire resistance)	50 -300 mm
Surface finish	Sawn or planed
Dry or wet graded	Dry graded
Grade/grading standard	SS or GS/BS 4978
Strength, stiffness and density	C24 or C16 (according to EN 338)
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

Sawmill	Grade mark i.d.	Certificate No.	System
Kinda	Södra Timber Kinda	0402-CPD-SC0314-09	Visually Graded
Kinda	Södra Timber Kinda	0402-CPD-SC0319-09	Machine Graded
Långasjö	Södra L	0402-CPD-148506	Machine Graded
Mönsterås	Södra M	0402-CPD-254003	Machine Graded
Orrefors	Södra O	0402-CPD-SC0541	Visually Graded
Orrefors	Södra O	0402-CPD-SC0776-09	Machine Graded
Piggsmåla	Södra P	0402-CPD-SC2136-12	Visually Graded
Ramkvilla	Södra R	0402-CPD-334203	Visually Graded
Ramkvilla	Södra R	0402-CPD-334204	Machine Graded
Torsås	Södra TO	0402-CPD-3103601	Visually Graded
Torsås	Södra TO	0402-CPD-313601	Machine Graded
Värö	Södra V	0402-CPD-SC0316-09	Visually Graded
Värö	Södra V1	0402-CPD-208103	Machine Graded
Värö	Södra V	0402-CPD-SC0549-12	Machine Graded

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

Växjö 28 June 2013
Södra Timber AB

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Andreas Jonasson, Supply Chain Manager