



DECLARATION OF PERFORMANCE

Strength graded structural timber

Construction product

Strength graded structural timber that meets the requirements of 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: Br. Carlströms Trävaru AB
Address: Hemmeströ
SE 280 20 Bjärnum
Sweden

Telephone: +46 451 - 20635
E-mail: br.carlstrom@telia.com
Web site: www.br.carlstrom.se

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

System 2+.

Certification

The notified body Finotrol Oy (identification number 2412) 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. Finotrol Oy has issued EC Certificate of Factory Production Control No. 2412 – CPR – 368 – 02.



Declared performance

Performance for machine and visual 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

Overall performance

Species/species group	WPPA: PCAB gran (<i>Picea abies</i>) och PNSY furu (<i>Pinus sylvestris</i>)
Growth area	NNE Europe (Northern and North Eastern Europe)
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.

Machine strength graded structural timber

Range of thickness (fire resistance)	31 - 110 mm C-classes 19 – 50 mm T-classes
Range of width (fire resistance)	60 - 300 mm C-classes 85 – 242 mm T-classes
Surface finish	Sawn or planed
Dry or wet graded	Dry graded
Grading machine	Dynagrade model 1b no. 003 Dynagrade model 1b no. 094
Strength, stiffness and density	According to EN 338: C30, C27, C24, C18, or C16; According to EN 14081-4 or relevant ITT-report: TR26; LS26, LS22, LS18, LS15 or LS11

Visually strength graded structural timber (GS / SS)

Performance for visually strength graded structural timber (according to BS 4978:2007+A1:2011) in accordance with the harmonized European standard SS - EN 14081–1:2005 +A1:2011.

Range of width (fire resistance)	20 - 110 mm C-classes
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)



Visually strength graded structural timber (T-virke)

Performance for visually strength graded structural timber (according to SS 230120:2010. or INSTA 142) in accordance with the harmonized European standard SS - EN 14081–1:2005 +A1: 2011.

Range of width (fire resistance)	25 - 100 mm C-classes
Range of width (fire resistance)	50 - 300 mm
Surface finish	Sawn or planed
Dry or wet graded	Dry graded
Grade/grading standard	T3, T2, T1 or T0. SS 230120
Strength, stiffness and density	C30, C24, C18 or C14 (according to EN 338)

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

Bjärnum den 2017-09-05

Br. Carlströms Trävaru AB

Lars – Erik Carlström

.....

VD