

## 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.

#### 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: Moelven Trysil AS  
Address: NO-2420 Trysil  
Telephone: +47 62 45 21 00  
E-mail: [post.trysil@moelven.no](mailto:post.trysil@moelven.no)  
Web site: [www.moelven.com](http://www.moelven.com)

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

System 2+.

#### Certification

The notified body Norsk Trelastkontroll (identification number 1070) 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. Norsk Trelastkontroll has issued EC Certificate of Factory Production Control No. 1070 – CPD – 019..

#### 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: gran (Picea abies) and furu (Pinus sylvestris)
Growth area	NNE Europe (Northern and North Eastern Europe)
Range of thickness (fire resistance)	32 - 100 mm
Range of width (fire resistance)	100 - 250 mm
Surface finish	Sawn or planed
Dry or wet graded	Dry graded
Grading machine	Dynagrade Model 1b. Serial no 043 in dry grading facility Dynagrade Model 1b. Serial no 065 in planning mill
Strength, stiffness and density	According to EN 338: C18, C24, C30
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	NPD

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

Trysil, 2013-05-23.

Moelven Trysil AS

Runar Pettersen, MD

Moelven Trysil AS  
2420 Trysil



**CERTIFICATE OF FACTORY PRODUCTION CONTROL (FPC)  
1070 - CPD - 019**

In compliance with 'Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (89/106/EEC)' (Construction Products Directive – CPD), as amended by Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

**Strength graded structural timber with rectangular cross section**

Visually graded after INSTA 142 and machine graded by  
Dynagrade Model 1b, Serial no: 043 in dry grading facility  
Dynagrade Modell 1b, Serial no: 065 in planing mill  
in strength classes including C30.

Wood species Norway spruce (*Picea abies*) and Scots pine (*Pinus sylvestris*)

placed on the market by

**Moelven Trysil AS  
Slettmoveien 34  
NO-2420 Trysil  
Norway**

and produced in the factory

**Moelven Trysil AS  
NO-2420 Trysil**

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan, and that the notified body No. 1070 - Norsk Treteknisk Institutt - has performed the initial inspection of the factory and of the factory production control, and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standard

**NS-EN 14081-1: 2006**

were applied.

This certificate was first issued on 2008-03-12 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Oslo, 2010-07-05

  
Jørn T. Brunsell  
Managing Director

## EC Sertifikat - Produksjonskontroll i fabrikken (FPC) 1070 - CPD - 019

I henhold til Direktiv 89/106/EEC fra Det Europeiske Råd av 21. desember 1988 om overensstemmelse av lover, regler og administrative bestemmelser for medlemslandene i forhold til produkter til byggverk (Byggeveredirektivet - CPD), endret ved Direktiv 93/68/EEC av Det Europeiske Råd den 22. juli 1993, attesteres det at byggevaren

### Styrkesortert konstruksjonstrevirke med rektangulært tverrsnitt

Sortert visuelt etter INSTA 142 og maskinelt med styrkesorteringsmaskinene  
Dynagrade Modell 1b, Serie nr.: 043 på justerverk  
Dynagrade Modell 1b, Serie nr.: 065 på høvleri  
I styrkeklasser opp til og med C30.  
Treslagene gran (*Picea abies*) og furu (*Pinus sylvestris*)

distribuert til markedet av

**Moelven Trysil AS**  
**Slettmoeien 34**  
**NO-2420 Trysil**  
**Norge**

og produsert ved fabrikken

**Moelven Trysil AS**  
**NO-2420 Trysil**

er av produsenten underlagt en innledende typeprøving, produksjonskontroll i fabrikken, og videre testing i form av egenkontroll i henhold til en fastsatt testplan, og det utpekte tekniske kontrollorgan no. 1070 - Norsk Treteknisk Institutt - har utført en innledende inspeksjon av fabrikken og av produksjonskontrollen i fabrikken, og foretar løpende overvåkning, vurdering og godkjenning av fabrikkens produksjonskontroll.

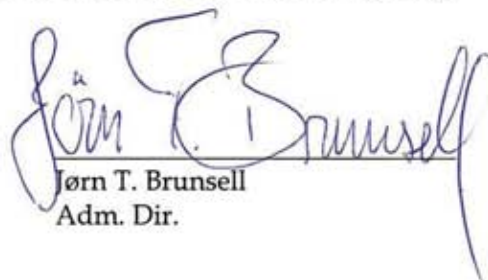
Dette sertifikat bekrefter at alle bestemmelser vedrørende produksjonskontroll i fabrikken beskrevet i Annex ZA i standarden

**NS-EN 14081-1: 2006**

ble overholdt.

Dette sertifikat ble først utstedt 2008-03-12 og vil være gyldig så lenge som betingelsene gitt i nevnte harmoniserte standard eller produksjonskontrollen i fabrikken ikke endres betydelig.

Oslo, 2010-07-05

  
Jørn T. Brunsell  
Adm. Dir.