

## 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 below, see information on the packaging or in possible enclosed 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: Derome Timber AB, Derome  
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Telephone: +46 340-666550  
E-mail: [timber@derome.se](mailto:timber@derome.se)  
Web site: [www.derome.se](http://www.derome.se)

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

System 2+

#### Certification

The notified body RISE - 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. RISE has issued EC Certificate of Factory Production Control No. 0402 – CPR – 110206.

## 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) | 31 - 110 mm spruce ( <i>Picea abies</i> )<br>34 - 83 mm Pine ( <i>Pinus sylvestris</i> )                 |
| Range of width (fire resistance)     | 60 - 300 mm spruce ( <i>Picea abies</i> )<br>68 - 303 mm Pine ( <i>Pinus sylvestris</i> )                |
| Surface finish                       | Sawn or planed   |
| Dry or wet graded                    | Dry graded   |
| Grading machine                      | Precigrader 1-043  |
| Strength, stiffness and density      | According to EN 338: C30, C24, C18, C16;<br>According to EN 14081-4 eller relevant ITT-rapport:<br>TR26; |
| Durability                           | 5 (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:

Derome 2020-06-03

**Derome Timber AB**



Emil Edgren, Site Manager