

# KOMO<sup>®</sup> attest-with-product certificate

half-finished  
product

## SKH

Nieuwe Kanaal 9c, 6709 PA Wageningen, the Netherlands  
Postbus 159, 6700 AD Wageningen, the Netherlands  
Telephone: +31 (0) 317 45 34 25  
E-mail: mail@skh.nl  
Website: http://www.skh.nl

## FINGERJOINTED TIMBER FOR LOAD BEARING APPLICATIONS

Number: 33149/18  
Issued: 10-12-2018  
Supersedes: 33149/16

### Producer

Lamineerfabriek Doornenbal  
Veenendaal B.V.  
h.o.d.n. Woodjoint  
Bobinestraat 3  
3903 KE VEENENDAAL  
THE NETHERLANDS  
Tel. (0318) 542 684  
Fax (0318) 542 960  
E-mail: info@doornenbal.com  
Website: http://www.doornenbal.com

### Declaration of SKH

This attest-with-product certificate has been issued on the basis of AD 1704-1 'Fingerjointed timber for load bearing applications' dd. 01-04-2004 including amendment dd. 01-09-2016, in accordance with the SKH Regulations for Certification. The quality system and the product characteristics associated with the fingerjointed timber for load bearing applications are assessed periodically.

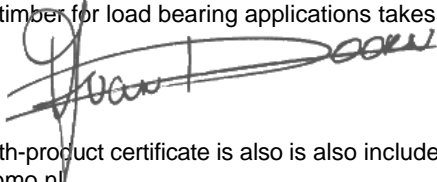
### Based on this, SKH declares that:

- There is legitimate confidence that the fingerjointed timber for load bearing applications delivered by the producer upon delivery meets:
  - the technical specifications stipulated in this attest-with-product certificate,
  - the product requirements stipulated in this attest-with-product certificate and in the AD, provided that the fingerjointed timber for load bearing applications features the KOMO<sup>®</sup> mark in a manner as indicated in this attest-with-product certificate.
- The building elements composed with this fingerjointed timber for load bearing applications provide the performance as included in this attest-with-product certificate and these building elements meet the Building Act requirements included in this attest-with-product certificate, providing that:
  - the technical specification and conditions defined in this attest-with-product certificate are met;
  - the production of the building elements is carried out in accordance with the conditions and/or processing methods stipulated in this attest-with-product certificate.

The essential characteristics, as stipulated in the applicable European standard, and the corresponding check of the quality system of these characteristics form no part of this declaration.

In the context of this attest-with-product certificate, no inspection of the manufacture of the other components of the fingerjointed timber for load bearing applications takes place, neither of its composition and/or the assembly into building elements.

For SKH



drs. H.J.O. van Doorn, director

This attest-with-product certificate is also included in the overview on the website of the KOMO foundation:  
<http://www.komo.nl>

Users of this attest-with-product certificate are advised to verify whether it is still valid; consult the SKH-website: <http://www.skh.nl>.  
This attest-with-product certificate consists of 5 pages.



## Building Act

The following has been assessed:

- Quality system
- Product
- One-off performance in the application
- Periodic check

# KOMO<sup>®</sup> attest-with-product certificate

Page 2 of 5  
Number: 33149/18  
Issued: 10-12-2018

## FINGERJOINTED TIMBER FOR LOAD BEARING APPLICATIONS

### 1 TECHNICAL SPECIFICATION

This attest-with-product certificate concerns the fingerjointed timber for load bearing applications delivered by the producer as well as the corresponding product characteristics and the performance when applied in building elements. In the framework of this attest-with-product certificate the following wood species may be used:

- Spruce with Angelim vermelho (*Dinizia excelsa*);
- Spruce with Azobé (*Lophira alata*);
- Spruce with Okan (*Cylicodiscus gabunensis*);
- Spruce with Tali (*Erythrophleum ivorense*);
- Spruce with Accoya<sup>®</sup>;
- Platowood Fraké.

### 1.1 Marking

The fingerjointed timber for load bearing applications shall be marked with:

- word mark KOMO<sup>®</sup> or logo;
- no. **33149**;
- strength class in case of hardwood according NEN-EN 338;
- production date;
- type of glue according NEN-EN 301.



### 2 PERFORMANCE BASED ON THE BUILDING ACT

#### BUILDING ACT ENTRY

No.	Section	Limiting value/ method of determination	Performance according quality declaration
2.1	General strength of the building construction*	Ultimate threshold building construction, calculation according NEN-EN 1995-1-1 (including national annex), NEN-EN 1990 (including national annex) and NEN-EN 1991-1-1/3/4 (including national annex)	Application examples stating the performance which proves that the requirements imposed are met
2.9	Restriction of development of fire and smoke	Indoor surface	Complies with Building Act
		Outdoor surface*	Optional mention of compliance with Building Act
		Walkable surface*	No performance determined
		Part of construction	No performance mentioned
3.9	Restriction of the presence of harmful substances and ionising radiation	According to Ministerial regulation	No performance mentioned

\* = optional Delete when not applicable

### 2.1 PERFORMANCE FROM A SAFETY VIEWPOINT

GENERAL STRENGTH OF THE BUILDING STRUCTURE; BA Section 2.1

#### 2.1.1 Strength of the building structure; BA Articles 2.2, 2.4 and 2.5b

The ultimate limiting condition of the building structure must be calculated in accordance with NEN-EN 1995-1-1 (incl. national appendix) in combination with the loads and load combinations described in NEN-EN 1990 (incl. national appendix) and NEN-EN 1991-1-1/3/4 (incl. national appendix).

In this, for the determination of the performance of the fingerjointed timber for load bearing applications, the strength class (according to NEN-EN 15497) is used as given in de Declaration of performance.

## FINGERJOINTED TIMBER FOR LOAD BEARING APPLICATIONS

---

LIMITING THE DEVELOPMENT OF FIRE AND SMOKE; BA Section 2.9

### 2.1.2 Indoor surface; BA Article 2.67

In application in structural elements (such as walls and ceilings) bordering on the indoor air, BA Article 2.67 distinguishes among 'extra-protected escape route', 'protected escape route' and 'other':

#### **Extra-protected escape route**

Fingerjointed timber for load bearing applications may not be used in structural elements (such as walls and ceilings) bordering on the indoor air.

#### **Protected escape route**

Fingerjointed timber for load bearing applications of 22 mm and thicker may be used in structural elements (such as walls and ceilings) bordering on the indoor air in the following usage functions:

- Other residential function
- Other meeting function
- Other healthcare function
- Other industrial function
- Office function
- Educational function
- Sports function
- Retail function
- Other usage function

#### **Other**

Fingerjointed timber for load bearing applications of 22 mm and thicker may be used in structural elements (such as walls and ceilings) bordering on the indoor air in the following usage functions:

- Residential function
- Meeting function
- Healthcare function
- Other industrial function
- Office function
- Accommodation function
- Educational function
- Sports function
- Retail function
- Other usage function

#### **Application conditions**

Fingerjointed timber for load bearing applications with a thickness less than 22 mm may not be used in structural elements adjacent to the indoor air (such as walls and ceilings).

## FINGERJOINTED TIMBER FOR LOAD BEARING APPLICATIONS

---

### 2.1.3 Outdoor surface; BA Article 2.68 (optional)

When applied in structural elements adjacent to the outdoor air (such as walls), BA Article 2.68 distinguishes among 'extra-protected escape route', 'protected escape route' and 'other':

#### Extra-protected escape route

Fingerjointed timber for load bearing applications may not be used in structural elements adjacent to the outdoor air (such as walls).

#### Protected escape route

Fingerjointed timber for load bearing applications of 22 mm and may be used in that part of structural elements (such as walls) adjacent to the outdoor air, which is situated not higher than 13 m in the following usage function:

- Other residential function

Fingerjointed timber for load bearing applications of 22 mm and thicker may be used in that part of structural elements (such as walls) adjacent to the outdoor air, which is not situated higher than 13 m, with the exception of the part from the adjacent terrain to a height of at least 2.5 m of a structure of which a floor intended for people lies at least 5 m above the measurement level, in the following usage functions:

- Other meeting function
- Other healthcare function
- Industrial function
- Office function
- Educational function
- Sports function
- Retail function
- Other usage function

#### Other

Fingerjointed timber for load bearing applications of 22 mm and thicker may be used in that part of structural elements (such as walls) adjacent to the outdoor air, which is situated not higher than 13 m in the following usage function:

- Other residential function

Fingerjointed timber for load bearing applications of 22 mm and thicker may be used in that part of structural elements (such as walls) adjacent to the outdoor air, which is not situated higher than 13 m, with the exception of the part from the adjacent terrain to a height of at least 2.5 m of a structure of which a floor intended for people lies at least 5 m above the measurement level, in the following usage functions:

- Residential function in a residential building
- Residential function for care with a UA greater than 500 m<sup>2</sup>
- Meeting function
- Cell function
- Healthcare function
- Industrial function
- Office function
- Accommodation function
- Educational function
- Sports function
- Retail function
- Other usage function

#### Application conditions

Fingerjointed timber for load bearing applications with a thickness less than 22 mm may not be used in structural elements adjacent to the outdoor air (such as walls). The fingerjointed timber for load bearing applications is not suitable as part of the outer side of a separation between two fire compartments in the context of the 'WBDBO' (Resistance against fire penetration and fire spread) according to NEN 6068.

## FINGERJOINTED TIMBER FOR LOAD BEARING APPLICATIONS

### 2.1.4 Walkable surface; BA Article 2.69

The use for fingerjointed loadbearing applications for the upper surface of a floor, stairs or an access ramp according BA Article 2.69 is not determined.

REDUCING THE PRESENCE OF HARMFUL SUBSTANCES AND IONISING RADIATION; BA Section 3.9

### 2.1.5 Ministerial regulations; BA Article 3.63

Due to lack of ministerial regulations, no statements are made.

## 3 PRODUCT CHARACTERISTICS

The product complies with the product requirements as stipulated in AD 1704-1 'Fingerjointed timber for load bearing applications'. The statements in the part of the attest for building elements composed with fingerjointed timber for load bearing applications are valid only when the fingerjointed timber for load bearing applications complies with the following condition:

Characteristic	Method of determination	Requirement AD
Restriction of development of fire and smoke	NEN-EN 13501-1	Fire class at least D and smoke class at least s2

The statements in this attest-with-product certificate may not be used as replacement for CE-marking and/or the associated mandatory Declaration of performance.

## 4 PROCESSING GUIDELINES

### 4.1 Transport and storage

During transport, storage, and in the building phase the construction elements should be adequately shielded from the weather in order to maintain the original quality.

## 5 SUGGESTIONS FOR THE USER

### 5.1 General

- In the context of this attest-with-product certificate no check takes place on the correctness of the performance of the essential properties.
- The statements in this attest-with-product certificate may not be used as replacement for CE-marking and/or the associated mandatory Declaration of performance.

### 5.2 On delivery of the fingerjointed timber for load bearing applications inspect whether:

- the products comply with the contract of sale;
- the mark and the manner of marking is correct;
- the products do not show any visible defects due to transport or similar causes.

If the products are rejected on the basis of the above, contact shall be made with:  
Lamineerfabriek Doornenbal Veenendaal B.V. h.o.d.n. Woodjoint and if desirable with the certification-body SKH.

### 5.3 Attest-with-product certificate

It is the duty of the producer to make sure that the buyer has access to a copy of the full attest-with-product certificate on site.

### 5.4 Application and use

Transport, storage and processing to be carried out according to the application instructions stated in this attest-with-product certificate.

### 5.5 Validity check

Consult the SKH-website: <http://www.skh.nl> to verify whether the attest-with-product certificate is still valid.