

QUALITY CERTIFICATE

(Glue laminated finger jointed profiles CTB-LCA)

Licensee : **I.F.O. (Industrie Forestière de Ouessou)**
 Ngombé
 BP 135
 OUESSO
 REPUBLIQUE DU CONGO
 Tél. : 00.242.05.732.66.41

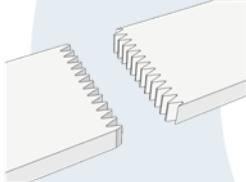
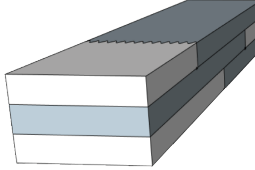

Licensee No: **N° 221**

Wood species: **BOSSÉ (guaréa spp.) / SAPELLI (entandrophragma cylindricum) / KOSIPO (entandrophragma candollei) / LIMBALI (gilbertiodendron spp.) / SIPO (entandrophragma utilé)**

Use according to XP CEN TS 13 307-2: Use class 3*

Certified characteristics according XP CEN TS 13307-2 (see on reverse):

- Adhesive suitable for use class: classification D4/C4
- Manufacturing environment and tolerances
- Quality of finger jointing, limitation and veneering

Finger joint	Laminate
 max dimension of finger joint: 24 x 145 mm visible sur la face	 max dimension of lamellae: 24 x 145 mm DDD, DKD, KKK 2 plis et plus
Profile marking:  Only products bearing the mark may avail themselves of this certificate	

* Use in exterior joinery protected with suitable protective surface coating.

The CTB-LCA certification is a necessary but not sufficient condition for an aptitude for use of the plaice according to its destination. In fact, it must be verified that the durability of the wood species is appropriate for the class of use provided for the structure according to FD P 20 651.

FCBA certifies the conformity of the product described above, under the conditions provided for by the general rules of the mark CTB and the reference system of the mark CTB Lamellés Collés Fittings.

These documents in their current version as well as the list of companies and products under certification are available on the websites: www.fcba.fr.

This certificate is based on a permanent control and cannot prejudice evolutions or decisions that would be taken during the year.

Certificate No: 504/17/2133/2

Cancel and replaces No: /

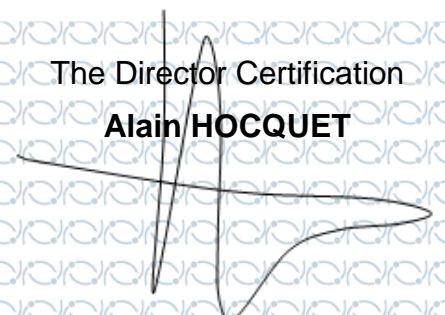
Date of issue: 1 January 2021

Valid until: 31/12/2022

Number of pages: 1 / 2

The Director Certification

Alain HOCQUET



SPECIFICATIONS:

Quality of the glue in compliance with *annex A* from standard XP/CEN TS 13307-2 according to the use class : D4 of EN 204 or C4 of EN 12765

Manufacturing environment in compliance with *annex B* from standard XP/CEN TS 13307-2

Dimensional tolerances in compliance with § 4.2 from standard NF EN 13307-1

Delamination rate after “service class 3 conditioning sequence” for intended use in use class 3, in compliance with § 11.2.1 from standard XP/CEN TS 13307-2

Finger jointing: . **mechanical strength** in compliance with § 11.3.1.1 from standard XP/CEN TS 13307-2 (except for comparison with solid wood and moisture resistance control)

. **water tightness** in compliance with § 11.4 from standard XP/CEN/TS 13307-2

Veneer / Coating: in compliance with certification Rules for the CTB-LCA Mark

Main texts

XP CEN/TS 13307-2
Jan 2010

Laminated and finger jointed timber blanks and semi-finished profiles for non-structural uses - Part 2: Production control

NF EN 13307-1
Feb 2007

Timber blanks and semi-finished profiles for non-structural uses - Part 1: Requirements

Additional texts

EN 204
April 2002

Classification of thermoplastic wood adhesives for non-structural applications

NF EN 14257

Adhesives - Wood adhesives - Determination of tensile strength of lap joints at elevated temperature (WATT '91)

NF EN 12765
April 2002

Classification of thermosetting wood adhesives for non-structural applications

NF EN 408
Nov 2010

Timber structures - Structural timber and glued laminated timber - Determination of some physical and mechanical properties

NF EN 311
Oct 1992

Wood-based panels - Surface soundness - Test method

EN 350-2
April 1994

Durability of wood and wood-based products - Natural durability of solid wood - Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe

ISO 3131
Nov 1975

Wood - Determination of density for physical and mechanical tests

NF EN 13556
Dec 2003

Round and sawn timber - Nomenclature of timbers used in Europe