



# QUALITY CERTIFICATE CTB WPC DECKING CERTIFICATION

WPC (Wood Polymer Composite) profiles intended for the production of decking on spaced supports.

**Non bearing product (pedestrian use only\*)**

*\*Are suitable for people traffic. Are not suitable to receive localized concentrated loads applied for long term, except if applied right above the discontinuous substructure (beams, joists, mechanically dimensioned accordingly).*

**Company :** CPG BUILDING PRODUCTS  
**Product :** TWINFINISH  
**Identification N°:** 01-01

The product mentioned here is certified by FCBA. It is entitled to the right of use of the Collective Certification Mark CTB WPC Decking under the conditions requested in the General Rules and the Regulations of the Mark. In case of dispute, only the French version of this certificate is the authentic text

## PROPERTIES

### ▶ Mechanical properties :

- *Bending:*
  - Normal conditions (20°C, 65% HR)
  - Limit temperatures conditions (-18°C / + 60°C)
  - After physical ageing
- *Creep resistance at high temperature :*

- *Hardness*

### ▶ Physical properties :

- *Behavior in terms of dimensional stability in limit temperature and humidity conditions*
- *Slip resistance*

### ▶ Characteristics of durability against biological agents

### ▶ Appearance durability

### ▶ Relevancy of the information given on the technical documents

### ▶ Note :

- Top surface: Vertigrain only

## CHARACTERISTICS

Modulus of elasticity at 20°C:  $E_m = 3382 \text{ MPa}$   
at 60°C:  $E_m = 1831 \text{ MPa}$   
Flexural resistance at 20°C :  $f_m = 19.0 \text{ MPa}$   
at 60°C :  $f_m = 12.3 \text{ MPa}$

*(characteristic value at 5% exclusion)*

Creep coefficient :  $C_f = 3.96$   
Rate of creep recovery :  $CR = 0.43$   
Elastic recovery :  $RE = 20.87$

Brinell hardness :  $HB = 60 \text{ MPa}$   
Recovery rate :  $Re = 86.4\%$

Thermal expansion coefficient :  
 $\delta = 29.9 \cdot 10^{-6} \text{ (}^\circ\text{C}^{-1}\text{)}$  (Lengthwise)

SRT Indice (vertigrain surface only):  
Longitudinal : dry : 58.1 / wet : 44.1  
Transversal : dry : 74.0 / wet : 51.3

Resistance to wood destroying fungi  
( resistant to water uptake)

Stable system according to EN 927-2  
(Informative values : chalking : 4 / general aspect: 5 )



ACCREDITATION  
N° 5-0011  
PORTEE  
DISPONIBLE SUR  
WWW.COFRAC.FR

#### NOTE:

*This certificate applies only to products labelled with the logo of the mark.*

*This certificate attests the quality of productions, based on continuous monitoring. It can not prejudice the decisions that could be taken during the year, after examination of the results of this control. The updated lists of the holders of the mark and the list of the certified products are available at FCBA and at [www.fcba.fr](http://www.fcba.fr) website.*

**FCBA, Certification body**

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INSTITUT TECHNOLOGIQUE

**For the certification body**

**Certificate N° 516-16-2060-GB**  
Cancel and replace n° 516-16-2004-GB

**Date : 28/01/2016**  
**Valid until 31/12/2016**

LE DIRECTEUR CERTIFICATION  
Alain HOCQUET