



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)

Company : **Timbertech**
Product : **Earthwood Evolutions**
Identification N°: **02-01**

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

► **Mechanical properties:**

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

Characteristics :

Modulus of elasticity at 20°C: $E_m = 3330 \text{ MPa}$
(characteristic value at 5% exclusion)

Flexural resistance : $f_m = 17,2 \text{ MPa}$
(characteristic value at 5% exclusion)

Creep coefficient : $C_f = 3,77$
Rate of creep recovery : $CR = 0,40$
Elastic recovery : $RE = 18,58$

Brinell hardness : $HB = 51 \text{ MPa}$
Recovery rate : $Re = 85, 0\%$

- Hardness

► **Physical properties :**

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

Thermal expansion coefficient :
 $\delta = 29,0 \cdot 10^{-6} \text{ (}^\circ\text{C}^{-1}\text{)}$ (Lengthwise)

SRT Indice:

Longitudinal : dry : 55,8 / wet : 25,0
Transversal : dry : 70,7 / wet : 30,6

Resistance to wood destroying fungi
(resistant to water uptake)

Stable system according to EN 927-2
(Informative values : chalking : 0 / general aspect: 0)

► **Characteristics of durability against biological agents**

► **appearance durability**

► **Relevancy of the information given on the technical documents**

► **Note :**

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cofrac



ACCREDITATION
n° 5-0011
PORTEE
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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 website.

For the certification body

Certificate N° : 516-13-2245-GB

LE RESPONSABLE CERTIFICATION
Alain HOCQUET

Date : January 01, 2013
Valid until 12/31/2013

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