



ACCSYS Technologies
6867 AV ARNHEM (Netherlands)

FCBA certifies that the company named above complies with the control convention managed by FCBA for products and specifications defined here after:

ACCOYA®

Verified properties:

PROPERTIES	CHARACTERISTIC VALUES
Mechanical	
<i>Bending stiffness and strength EN 408 : characteristics values (standard conditions 20°C / 65% RH, test carried out edgewise)</i>	. Modulus of elasticity: $E_m = 5290$ MPa . Modulus of rupture: $f_m = 22,4$ MPa (Strength properties are not affected by the acetylation)
<i>Brinell Hardness EN 1534 (20°C / 65% RH)</i>	. 23.4 MPa at 20°C / 65% RH (15,1 MPa when corrected to 12% wood moisture content)
<i>Impact bending strength : DIN 52189-1</i>	. average = 50 kJ/m ² (not altered by the treatment).
<i>Screw withdrawal strength EN 320</i>	. greater than untreated radiata pine
Physical	
<i>Density (20°C / 65% RH)</i>	. 500 kg/m ³ (characteristic value = 417 kg/m ³)
<i>Dimensional stability (wet to dry) SKH BRL 0605</i>	. average : radial direction : 0,7% . average : tangential direction : 1,5%
<i>Water uptake EN 317</i>	. 82,5% after 91 days of immersion
<i>Equilibrium moisture content at 20°C ISO 3129</i>	. 4.5% at 65% RH in average . 2.8% at 33% RH in average . 8.6% at 91% RH in average
<i>Thermal conductivity EN 12664</i>	. $\lambda_D = 0,12$ W/(m.K)
Biological durability	
<i>Fungi EN 113 / ENV 807 (after EN 84 leaching test)</i>	Durability Class 1 according to EN 350 Suitable for use classes 1 to 4 according to EN 335
<i>Termites</i> . EN 118 (Forced feeding test) . modified EN 117 (choice test)	. Under choice test condition, ACCOYA is not degraded by European subterranean termites, the material is not an appropriate source of food. . Under force feeding situation, the material is susceptible to termite degradation.
<i>Wood boring insects larvae (EN 46-1)</i>	. Not degraded by wood boring insects larvae.

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 Champs-sur-Marne, le 01/01/17

The Quality Director
 Alain HOCQUET