

# CERTIFICATE OF QUALITY

(Only French version of this certificate is the authentic one)

**Product:** ACCOYA® modified Radiata Pine lumbers  
**Company :** ACCSYS TECHNOLOGIES (Arnhem, Netherlands)

ACCOYA® material (modified Monterey Pine/ Pinus radiata D. Don lumber) is FCBA certified. It benefits from the Individual Certification Mark n° 517 under the conditions given in the General Rules for CTB Individual Certification, in the concerned Certification Rules and its appendices.

## MECHANICAL CHARACTERISTICS

### Bending strength (EN 408)

- Normal conditions 20°C / 65% RH
- Test done edgewise

Characteristics values :

MOE = 5290 MPa  
MOR = 22,4 MPa

### Brinell hardness (EN 1534)

HB = 23.4 MPa (20°C / 65% HR)  
HB = 15.1 MPa (20°C / 12% HR)

### Impact resistance (DIN 52189-1)

Average Impact bending strength= 50 kJ/m<sup>2</sup>  
No loss of Impact bending strength of the treated material compared with the untreated material

### Screw holding capacity (EN 320 amended)

Better compared to non treated Radiata Pine

## PHYSICAL CHARACTERISTICS

### Dimensional stability (wet to dry) (BRL 0605)

Average Density at 20°C / 65% RH = 510 kg/m<sup>3</sup>  
Average shrinkage in radial direction = 0.7%  
Average shrinkage in tangential direction = 1.5%

### Equilibrium moisture (BRL 0605)

Average Equilibrium Moisture Content (EMC) during desorption sequence:  
2.5% at 20°C / 35% RH  
4.5% at 20°C / 65% RH  
7.5% at 20°C / 95% RH

### Water uptake (EN 317 amended)

Water uptake after 91 days of immersion = 82,5%

### Thermal conductivity (EN 12664)

λD = 0,12 W/(m.K)

For FCBA

Certificat N° : 517-17-2297

issued : 15/12/2017

Expiration date: 14/12/2020

LE DIRECTEUR CERTIFICATION  
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## BIOLOGICAL DURABILITY

**Fungi**  
(EN 113 / ENV 807) after leaching (EN 84)

Durability class 1 according to EN 350-1  
Suitable for use class 1 to 4 according to EN 335

**Termites**  
- **Choice test** (EN 117 amended)

Under choice test condition:  
- the material is not degraded by European subterranean termites  
- the material is not an appropriate source of food

- **Forced feeding test** (EN 118)

Under forced feeding situation:  
- the material is susceptible to termite degradation

**Wood boring insects larvae** (EN 46-1)

The material is not degraded by wood boring insects larvae

Note :  
Only products marked with the certification logotype may entitled this certificate

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