

# DATA SHEET

## Accoya® Color (Gray)



This technical sheet brings together the technological characteristics of wood specie as available according to Accoya®. VETEDY declines all responsibilities in the event of an error or modification of Accoya® data.

### — ACCOYA® COLOR IS AVAILABLE IN



NEW



AFTER 6 MONTHS



**Trade name:** Accoya® Color

**Latin name:** Pinus Radiata

**Origin:** Océanie

**Certifications subject to availability:**



EUTR

FLEGT  
licensed timber



BREEAM®

### — NATURAL WOOD

**Sapwood:** Not very distinct

**Color:** Gray

**Grain:** Straight

**Cross grain:** Absent

**Interlocked grain:** Thin

**Quality :** A1

**Density :** On average at 510 Kg/m<sup>3</sup> - 65% RH,  
20°C, 400 to 600Kg/m<sup>3</sup>

**Hardness:**

**Janka :** ASTM D143. Side 4100 N (922LBF),  
Bout 6600 N (1484 LBF).

**Brinell :** 2.4 EN 1534 (2010)

**Stability :** Stable

**Surface:** Smooth

Ideal for exterior constructions.

## — DURABILITY

**Use class:** EN 350 Class 1

**Covers class 5:** No

Accoya® is not affected by contact with salt water or immersion. Immersion tests over 10 years showed some attack on Accoya® by marine organisms but less than that of other sustainable woods tested.

**Impregnability:** A paint or coating does not need to be applied to Accoya® to achieve durability and dimensional stability. Details of the natural weathering of uncoated Accoya® are given in the wood information guide. Most coating systems can be used on Accoya® wood. Various tests have been performed on a variety of oil and water based coating systems. Leading manufacturers have found that their film-forming coating systems on Accoya® last longer than usual. Contact your coating supplier for more information.

## — PHYSICAL CHARACTERISTICS

**Average swelling coefficient and shrinkage:**

Humid - 65% RH / 20°C

Humid - drying chamber

Radial - 0,4%

Tangential - 0,8%

Humid - anhydre\*

Radial - 0,7%

Tangential - 1,5%

\*Valeurs moyennes

**Reaction to fire:** Class C in the United States (ASTM 84 US and D in Europe (EN 149915). Accoya® can be fireproofed by a specific treatment.

**Thermal conductivity:** EN 12667,  $\lambda = 0.12\text{W/m.K}$

**Security :** Wood dust can cause respiratory and skin pathologies. When cutting, wood can cause overheating, splinters, etc. Suitable protective equipment must be used.

**Storage:** Since wood is intended for outdoor use, it should be stored as close as possible to outdoor climatic conditions, protected from bad weather and the sun (UV).

**Recycling:** In a sorting center suitable for destruction or revaluation of wood.

**Maintenance :** See our video on YouTube.

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