

DATA SHEET

Accoya® Natural



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® NATURAL IS AVAILABLE IN



NEW



AFTER 6 MONTHS



Turns gray over time in contact with humidity.

Trade name: Accoya® Natural

Latin name: Pinus Radiata

Origin: Oceania

Certifications subject to availability:



EUTR

FLEGT
licensed timber



BREEAM®

— NATURAL WOOD

Sapwood: indistinct

Color: Light yellow

Grain: Straight

Cross grain: Absent

Interlocked grain: Thin

Quality : A1

Density : On average at 510 Kg/m³ - 65% RH,
20°C, 400 to 600Kg/m³

Hardness :

Janka: ASTM D143. Side 4100 N (922LBF),
End 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	Wet - anhydrous*
Wet - drying chamber	Radial - 0.7%
Radial - 0,4%	Tangential - 1.5%
Tangential - 0.8%	

*Average values

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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