

MODIFIED SOFTWOOD · CLASS 1 DURABILITY

Accoya

Pinus radiata, acetylated

Acetylated radiata pine — a softwood modified all the way through to Class 1 durability and exceptional stability, with a 50-year above-ground warranty behind it.

Family **Pinaceae**Origin **New Zealand / Chile**

Modified timber

PLANED · ACCOYA

ALSO KNOWN AS — ACETYLATED RADIATA PINE

DENSITY

≈510kg/m³ · 12% MC

DURABILITY

Class 1

Very durable

WORKABILITY

Good

Machines cleanly

MOVEMENT

Very small

Swelling cut by ~75%

STEAM BENDING

Not suited

Do not steam bend

APPLICATIONS

External joinery where movement cannot be tolerated — windows, doors and curtain walling — plus cladding, decking, louvres, bridges and garden structures. A common substitute for hardwood in painted joinery.

DESCRIPTION

Wood is treated with acetic anhydride, converting the free hydroxyls that would otherwise take up water. The result is a softwood that outperforms most tropical hardwoods for durability and stability and is non-toxic in service.

PROPERTIES

Acetylation modifies the timber through its full thickness rather than coating it, so the properties are the same at the core as at the surface and are not lost when the board is cut or planed. Pale and uniform, with radiata pine's straight grain. Coatings last markedly longer than on unmodified softwood because the substrate barely moves.

DURABILITY & DRYING

Class 1 above ground and Class 2 in ground contact, warranted 50 years above ground and 25 in ground or fresh water. Dimensionally very stable, so it holds a paint film unusually well. Use stainless steel fixings: the residual acetic content will corrode ordinary steel and can stain.

AVAILABILITY

Machined to order in any of our cladding profiles, or sawn and PAR to your cutting list. Ask the office for current sections and lengths.

Typical published values for the material; properties vary with origin, growth conditions and, for modified and treated timber, with the process and Use Class specified. Confirm critical specifications and current availability with our team before ordering.