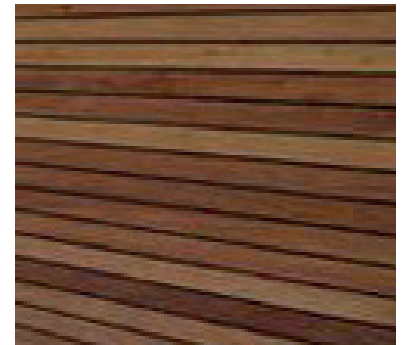


THERMO MERANTI
Type: Hardwood
Source: Malaysia

Malaysian Dark Red Meranti Timber varies in colour from pale pink/white to dark red/purple. It is renowned for its durability and stability. Thermal modification subjects kiln dried Meranti to temperatures of 180 degrees resulting in enhanced dimensional stability and a lighter weight making it ideal for cladding.


Embodied Carbon (kgCO₂e / m²)* = 0 (8.64 Offset)
Ecova Clad Thermo Meranti Durability Classification

Common name		Natural Durability Class BSEN350:2:1994	Movement	Strength
Temperate hardwoods	Thermo Meranti	2	Medium	High

Durability Classifications

Natural durability class	Need for treatment/modification	Desired service life (years)	
		Occasionally wet	Frequently wet
1 (Very durable)	Suitable without treatment	>60	60
2 (Durable)	Suitable without treatment	60	30
3 (Moderately durable)	Suitable without treatment except for tall or exposed buildings	30	15 (untreated)
4 (Slightly durable)	Treatment required	15-30 years treated	15-30 years treated
5 (Not durable)	Treatment required	15-30 years treated	15-30 years treated

Treatments and Finishing

- Medium

Moisture Movement

Small

Wood's moisture content will change relative to its surroundings. Different species have different degrees of movement and this must be accounted for in cladding design.

Good design and installation practice will help minimize the effects of moisture:

- Use eaves and overhangs to deflect rain - or flashing to protect the board tops
- Finish cladding at least 200mm from the ground or a horizontal surface. Where possible use a surface that diffuses rain, such as gravel
- Board widths should generally be 4 to 6 times board thickness (typically less than 150mm)
- Design detailing must include measures that minimise water penetration

Profiles

Wide choice of standard profiles (see Ecova Clad profiles guide)

Density (mean, Kg/m³):

710 kg/m³

Recommended Fixings/Flashings

Stainless steel or galvanised screws

Colour(s)

Dark Reddish Brown

Fire compliance

Exterior cladding - Timber cladding is suitable for buildings of 18m or lower. No combustible materials are permitted for cladding on residential buildings over 18m high.

Environmental

Many species appear on the IUCN Red List of Threatened Species and are classed as: CR – Critically Endangered: at a high risk of extinction in the wild.

*The embodied carbon calculation does not account for final delivery to site