

# Dark Red Meranti Seraya Majau

## Atibt

Dark Red Meranti/red meranti/light red meranti; 1. NEN-EN 13556: dark red meranti (GB), dark red meranti (F).

## Other names

Dark red meranti, dark red meranti.

## Botanic name

*Shorea spp. parvifolia*

## Family

Dipterocarpaceae.

## Growth area

Malaysia Péninsulaire



## Tree Description

Height 30-40m, maximum 70m. The 25-30m long, smooth well-cylindrical trunk has a diameter of 0.5-0.9m, maximum 3m. at the base of the trunk, rootlets are usually present which, depending on the species, are short and wide to tall and narrow. Very heavy trunks are often hollow or have a rotten or spongy center.

## Supply

Sawn (edged) wood and sheet metal, semi-finished and finished products.

## Wood Description

The many Shorea tree species that provide red meranti have their own and specific growing areas. This causes great variation in appearance (especially color) and properties (especially weight and durability) of the wood. The heartwood is reddish-brown to pinkish-brown, with much color variation.

## Wood Recognition

The heartwood is reddish brown to pinkish brown, with much color variation - not only according to species, but also within the same species. Fresh wood colors between pinkish red and purplish brown. On drying, the wood darkens. The sapwood is usually grayish pink, clearly distinguished from the heartwood and is 2 to 6 cm wide (4 to 5 cm in mature trees).

Gums can cause dark streaks on the longitudinal surface when the wood is wet. These disappear with drying. The wood also often contains light-colored and solid resin. This gives fine whitish lines at irregular intervals on the end face ('resin corridors'). The texture of (Dark) Red Meranti is usually regular, with no pronounced markings. On quarter sawn, the wood sometimes shows streaks, on dosse sometimes flames.

## Grain

Straight, cross-hatching occurs.

## Texture

Moderately coarse.

## Voluminous mass

(500-)550(-600) kg/m<sup>3</sup> at 12% moisture content.



<b>Shrinkage</b>	Radially 0.6-0.9% and tangentially 1.2-1.8%.
<b>Drying</b>	Easy.
<b>Hardness</b>	Longitudinal plane 3705 N.
<b>Machinability</b>	Easily machinable, both by machine and by hand. Re-sawing, cutting, drilling, turning, nailing, screwing and gluing is easy.
<b>Nailing &amp; Screwing</b>	Good.
<b>Adhesives</b>	Good.
<b>Bend</b>	Bad.
<b>Surface finish</b>	Good, works well with both hand tools and machines.
<b>Impregnability</b>	Heartwood 4, sapwood 1.
<b>Details</b>	Very small worm holes (pinholes) caused by wetwood borers may occur. In sawn and dried wood, however, there is no danger of further infestation.
<b>Applications</b>	Interior and exterior joinery frames, windows, doors, paneling, baseboards, stairwells, stair treads, bodywork construction and veneer which is widely used in the manufacture of plywood.
<b>Quality requirements</b>	Meranti is listed in SKH Publication 99-05, which means that window frames can be manufactured with a KOMO® product certificate.
<b>Strength class</b>	Not known.

#### **Sustainability**

##### **Relative resistance to mold**

Heartwood class 2-4. Sapwood class 5.

##### **Relative resistance to animal organisms**

Heartwood: drywood borers D, termites S and marine borers S.