



The Wood Component Company



## Yellow Balau / Bangkirai

**Latin name** Shorea spp, Shorea atrinervosa, Shorea elliptica, Shorea foxworthyi, Shorea glauca, Shorea laevis, Shorea maxwelliana, Shorea submontana, Shorea guiso, Shorea kunstleri, Shorea collina, Shorea ochrophloia

**Also known as:** Yellow balau.

<b>Wood type</b>	Hardwood
<b>Introduction</b>	The hard, heavy timber species of <i>shorea</i> occurring in South East Asia are grouped under common trade names peculiar to the area. Thus selangan batu is the name used in Sabah, Brunei and Sarawak, while balau is used to describe the heavy Malaysian species.
<b>Environmental</b>	Available with V Legal Certificatie.
<b>Distribution</b>	Selangan batu is produced by several species, principally <i>S. laevis</i> and <i>S. seminis</i> . Balau is generally separated into two types in Malaysia, ie, balau and red balau. Balau is produced mainly from <i>shorea atrinervosa</i> , <i>S. elliptica</i> , <i>S. foxworthyi</i> , <i>S. glauca</i> , <i>S. laevis</i> , <i>S. maxwelliana</i> and <i>S. submontana</i> .
<b>The Timber</b>	Selangan batu is a yellowish-brown timber with interlocked grain, and a coarse, but even texture. According to species, durable to very durable. Balau is a yellowish-brown, brown, or reddish-brown timber with interlocked grain, and a moderately fine and even texture. It is classified in Malaysia as being very durable.
<b>Drying</b>	Difficult to dry, slow drying with a tendency to end split, warping is variable.
<b>Strength</b>	All the species mentioned have hard, heavy and strong timbers with strength properties similar to those of greenheart.
<b>Durability</b>	Durable
<b>Treatability</b>	Extremely difficult Moderately easy (Sapwood)
<b>Moisture Movement</b>	Medium
<b>Density (mean, Kg/m<sup>3</sup>)</b>	980 (Density can vary by 20% or more)
<b>Texture</b>	Medium
<b>Availability</b>	Available at specialist timber merchant
<b>Price</b>	Low
<b>Sizes</b>	Obtainable in large sizes
<b>Use(s)</b>	Heavy structural use, Marine or freshwater construction, Decking
<b>Colour(s)</b>	Reddish brown, Yellow brown

