**Cratoxylon arborescens**

**Family: Guttiferae**

**Geronggang**

**Other Common Names:** Serungan (Sabah, Northern Sarawak, Brunei).

**Distribution:** Locally common in Malaysia and Indonesia, mainly in coastal dipterocarp swamp forests.

**The Tree:** Rarely exceeding 60 ft in height; diameters may reach 3 ft; without buttresses.

**The Wood:**

**General Characteristics:** Heartwood varies from light brick red to dark pink, darkening upon exposure; sapwood yellow, sometimes with a pink or orange tinge, usually clearly demarcated. Texture uniform and rather coarse; grain typically straight, sometimes interlocked; lustrous; without distinctive odor or taste.

**Weight:** Basic specific gravity (ovendry weight/green volume) 0.40; air-dry density 30 pcf.

**Mechanical Properties:** (2-in. standard)

<table>
<thead>
<tr>
<th>Moisture content</th>
<th>Bending strength</th>
<th>Modulus of elasticity</th>
<th>Maximum crushing strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>(%)</td>
<td>(Psi)</td>
<td>(1,000 psi)</td>
<td>(Psi)</td>
</tr>
<tr>
<td>Green (9)</td>
<td>5,750</td>
<td>1,160</td>
<td>2,660</td>
</tr>
</tbody>
</table>

Janka side hardness 420 lb for green material.

**Drying and Shrinkage:** The timber seasons rapidly without difficulty. Kiln schedule T6-D2 is suggested for 4/4 stock and T3-01 for 8/4. Shrinkage green to air dry: radial 2.6%; tangential 4.7%.

**Working Properties:** The timber saws without difficulty and dresses to a smooth surface but cutters are reported to dull rapidly.

**Durability:** Rapidly attacked by decay fungi if in ground contact and vulnerable to termites. Not resistant to marine borers.

**Preservation:** Easily treated using the open tank system; absorptions of over 20 pcf are reported.

**Uses:** Furniture, joinery, veneer and plywood, light construction, particleboard, fiberboard. Reported to make good roofing shingles if impregnated with preservatives.

**Additional Reading:** (9), (11), (61)
