**Chloroxylon swietenia**  
*Family: Rutaceae*  
*East Indian Satinwood*

**Other Common Names:** Satinwood, Billu, Mashwal, Mududad (India), Ceylon Satinwood (Ceylon).

**Distribution:** Central and southern India and Ceylon.

**The Tree:** A small to moderate-sized tree about 45 to 50 ft in height with a short clear bole of 10 ft; trunk diameter generally about 1 ft; the tree reaches its maximum size in Ceylon.

**The Wood:**  
**General Characteristics:** Heartwood light yellow or golden yellow; not distinctly demarcated from the sapwood. Texture fine and even; highly lustrous; grain narrowly interlocked, often with attractive mottle figure; fragrant but without characteristic taste.

**Weight:** Basic specific gravity (ovendry weight/green volume) 0.80; air-dry density 61 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>(%)</td>
<td>(Psi)</td>
<td>(1,000 psi)</td>
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<tr>
<td>Green (32)</td>
<td>15%</td>
<td>12,615</td>
<td>1,650</td>
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<tr>
<td></td>
<td>16,500</td>
<td>2,020</td>
<td>10,030</td>
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</tbody>
</table>

Janka side hardness 1,840 lb for green material and 2,600 lb for dry.

**Drying and Shrinkage:** There is a tendency to warp and check in drying; seasoning of girdled trees is practiced. Kiln schedule T3-C2 is suggested for 4/4 stock and T3-C1 for 8/4. Shrinkage green to ovendry: radial 5.5%; tangential 7.1%.

**Working Properties:** Difficult to work with hand and machine tools, torn grain common when planing quartersawn surfaces; finishes cleanly; turns very well; takes a fine polish.

**Durability:** The heartwood is rated as extremely durable; sapwood vulnerable to attack by borers and termites.

**Preservation:** No data available.

**Uses:** Decorative veneers, furniture and cabinetwork, turnery, interior joinery, specialty items.

**Additional Reading:** (17), (32), (47)
