



Liberate yourself.

Fred's Tiny Houses
Handy Densities List for
common tiny house
building materials

	Density (kg/m3)
Polyester Acoustic Batts	<u>32</u>
<u>Paulownia</u>	<u>280</u>
<u>Western Red Cedar (WRC)</u>	<u>330-385</u>
<u>Australian Red Cedar</u>	<u>485</u>
<u>Hoop Pine</u>	<u>500</u>
<u>Radiata Pine</u>	<u>400-550</u>
<u>Huon Pine</u>	<u>560</u>
<u>Blackwood</u>	<u>640</u>
<u>Tasmanian Oak/Victorian Ash</u>	<u>650</u>
<u>Mountain Ash</u>	<u>680</u>
<u>Cypress</u>	<u>650</u>
<u>Sheoak</u>	<u>750</u>
<u>Merbau</u>	<u>815</u>
<u>Jarrah</u>	<u>835</u>
<u>Bamboo</u>	<u>500-850</u>
<u>River Red Gum</u>	<u>870</u>
<u>Spotted Gum</u>	<u>940</u>
<u>Yellow Gum, White Ironbark</u>	<u>1010</u>
<u>Yellow Box</u>	<u>1075</u>
<u>Grey Box</u>	<u>1120</u>
<u>Yellow Tongue® 19mm - Max joist spacing 450mm</u>	700
<u>Red Tongue® 22mm - Max Joist Spacing 600mm</u>	710
<u>Blue Tongue® 25mm- - Max Joist Spacing 600mm</u>	710
<u>Particle Board / MDF / Melamine</u>	720-750
<u>LVL (Laminated Veneer Lumber)</u>	500-650
<u>Engineered Wood Products</u>	equal to the species that make it up
<u>Plywood</u>	equal to the species that make it up
<u>Wool</u>	<u>100</u>
<u>Paper</u>	<u>700</u>
<u>Water</u>	<u>1000</u>
<u>Beer</u>	<u>1048</u>
<u>Concrete</u>	<u>1750-2400</u>
<u>Aluminium</u>	<u>2700</u>
<u>Glass</u>	<u>2400-2800</u>
<u>Steel</u>	<u>7850</u>