

EXTERNAL TIMBERS SIZES, WIDTHS, HEIGHTS AND LENGTHS

(Post, beams and external stairs)



External Timbers comes in 3 categories:

1. Green of saw: Timber has not been dried, allow for a shrinkage rate varies with each species
2. Kiln Dried: Timber has been dried in a kiln to a moisture content 12% to 14%
3. Recycled: Moisture content >50mm could be 16%

Straws in the timber feeds the water through the tree when the log is rough sawn the straw ends are squashed, if a section of timber is dressed it opens the straw ends again. Rough sawn timber tends to last 3 times longer than dressed timber outside.

Green of saw available sizes Lengths up to 8mts		Kiln Dried available sizes Lengths up to 4.8mts		Recycled available sizes Lengths up to 8mts	
Rough sawn	Dressed all Round	Rough Sawn	Dressed all round	Rough Sawn	Dressed all Round
Ex 300x300mm	FS 280x280mm	Ex300x50mm	FS280x42mm	Ex 300x300mm	FS 280x280mm
Ex 275x275mm	FS 250x250mm	Ex300x38mm	FS280x32mm	Ex 275x275mm	FS 250x250mm
Ex 250x250mm	FS 230x230mm	Ex250x50mm	FS230x42mm	Ex 250x250mm	FS 230x230mm
Ex 200x200mm	FS 180x180mm	Ex250x38mm	FS230x32mm	Ex 200x200mm	FS 180x180mm
Ex 175x175mm	FS 150x150mm	Ex200x38mm	FS180x32mm	Ex 175x175mm	FS 150x150mm
Ex 125x125mm	FS 100x100mm	Ex200x25mm	FS180x19mm	Ex 125x125mm	FS 100x100mm
		Ex150x25mm	FS130x19mm	Ex 100x100mm	FS 90x90mm
		Ex100x50mm	FS90x42mm	Can mill most sizes as per kiln dried list if you require the recycled timber to be kiln dried it can take up to 6 weeks	
		Ex100x38mm	FS90x32mm		
		Ex100x25mm	FS80x19mm		
		Ex50x50mm	FS42x42mm		
		Ex38x38mm	FS32x32mm		
		Ex50x25mm	FS42x19mm		

Green off saw shrinkage rate allowance to be considered with each species



The two primary planes or surfaces of wood where shrinkage takes place are across the radial plane, & across the tangential plane, corresponding to **radial shrinkage**, & **tangential shrinkage**; these 2 values, when combined, should roughly add up to the volumetric shrinkage.

Species	Shrinkage Rate "tangential"	Shrinkage Rate "radial"
Red Ironbark	5%	3.5%
Grey Ironbark	7.5%	4.5%
Tallowwood (slow in drying)	6%	4%
White Mahogany	6%	3.5%
Red Mahogany	6%	4%
Turpentine (slow in drying)	12%	6%
Grey Box (Prone to checking when drying)	7.5%	3.5%
Cypress pine white (Dries quickly)	3%	2.5%
Spotted Gum (needs caring in drying)	6%	4.5%
Blackbutt (needs caring in drying)	7%	4%
Jarrah (little degrade in drying)	7.5%	5%
Stringybark (needs more careful drying)	9%	5%
Brushbox (grain can distort in drying)	10%	5%
Blue Gum (easy to dry)	9%	5%