



## SuperJoist Engineered Timber Joists

produce high quality, extremely solid and stable suspended timber floor and roof framing for residential suspended floors and roof structures.

## SuperJoist Engineered Timber Joists

Have the following attributes:-

### ♣ Light weight

Each joist is a fraction of the weight of solid timber of equal dimension and performance. This allows greater efficiency on the building site by employing the labour more effectively as well as reducing worker exhaustion.

### ♣ Consistent dimensions

Constant flange widths and joist depths allow for greater accuracy when framing a suspended floor. **SuperJoist Engineered Joists** are manufactured to a tolerance of  $\pm 1,0\text{mm}$  on the depth and  $\pm 1,0\text{mm}$  on the flange width.

### ♣ Straight

Bowed, twisted and badly machined joists are a thing of the past with **SuperJoist Engineered Joists**. Now there is no need to spend valuable site-time sawing and planing to get the floor framing level and flat.

### ♣ Comparable spans

**SuperJoist Engineered Joists** have spanning capabilities that are equal to solid timber of similar dimensions. See our load span table for more information.

### ♣ Long lengths

**SuperJoist Engineered Joists** can be made in lengths of up to **10,1m** for multiple spans. Single span lengths of 4,8m and 5,1m are stock items.

### ♣ Resource friendly

**SuperJoist Engineered Joists** use up to 60% less solid local timber to achieve the same results as solid timber joists, more efficiently and cost effectively.

### ♣ Preservative Treated

The flanges are Tanalith preservative

## Contact details:

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treated to H2 for a long lifespan. The OSB web is resistant to degradation and insect attack as each wafer is adhesive coated in the manufacturing process.

### ♣ Economical

**SuperJoist Engineered Joists** are competitively priced – saving the contractor time and money.

### ♣ Application

**SuperJoist Engineered Joists** are ideal for use in construction applications where the joists or rafters will not be exposed to the elements on a permanent basis.

**Not suitable for deck joists or pergolas.**







The joists are manufactured with a depth of 244mm and a flange width of 45mm and 70mm.

Interim tests have shown that a 3mx3m suspended floor easily carries a load of 500Kg/m<sup>2</sup> with a joist deflection of only 5,72mm.

### *SuperJoist Engineered Joists*

The joists are engineered to comply with SANS 1460 and the load span table has been devised to provide a firm and comfortable suspended floor structure with minimum deflection of the joists using the following criteria, which is also applicable to SANS 10082 and SANS 10063.

Joist Dimensions				SuperJoist Product Code	Mass Per metre (Kg)	Span Applications			
Joist Depth (mm)	Distance Between Flanges (mm)	Flange Width (mm)				Single Span		Continuous Span	
		44	70			Joist Spacing (mm)			
						450	488	450	488
				Recommended Safe Span (m)					
244	172	 SS44-244-9	 SS70-244-9	SJ44x244	4,8	4,5	5,0	4,8	
244	172			SJ70x244	4,9	4,6	5,3	5,0	



### *SuperJoist Engineered Joists*

A typical application where a 50mm concrete screed is laid onto the surface of an 18mm OSB subfloor over 44x244 **SuperJoist** floor framing where the joists have been laid at 488mm centres.

The concrete screed is finished off with a steel trowel and the finished surface may be tiled or carpeted as required.

This provides a tough, light weight and very solid suspended floor that is extremely durable and virtually soundproof.

