

		<b>Upper floors</b>		
			Numbers of joists	<p>The numbers of floor joists are calculated by dividing the centres into the required length.</p> <p>Note that the first joist is not placed against the internal skin of the external wall, this is to reduce the chance of the timber becoming wet and rotting and allows space to run services therefore the first joist is located 50mm from the masonry.</p>
			13.500	
		<u>Less 2/ 0.275</u>	<u>0.550</u>	
			12.950	
		<u>Ddt Clearance for first &amp; last joist</u> 2/0.050 0.100		
		<u>Ddt to centre</u>		
		Lines 2/½/0.050 0.050	<u>0.150</u>	
			<u>12.800</u>	
			÷ 0.400	
			32 Spaces	
			<u>+1 = 33 Joists</u>	
			Length	
			6.780	
		<u>Less 2/ 0.275</u>	<u>0.550</u>	
			<u>6.230</u>	
33/	<u>6.23</u>	50 x 200mm treated softwood floor joist, over 6m long in one continuous length		<p>NRM2 states that all timber is sawn unless stated</p> <p>Note timbers over 6m long in one continuous length have to be kept separate.</p>
9/	<u>1.08</u>	<u>Ddt</u> Last item	Stairwell	
2/	<u>6.23</u>		1.000	
			Add Trimmer <u>0.075</u>	
			<u>1.075</u>	
	<u>3.00</u>	75 x 200mm treated sw ditto		
2/	<u>6.23</u>	Ditto over 6m long in one length		

2/	<u>33</u>		2mm Galvanised mild steel joist hanger for 50 x 200mm joist built into blockwork	These hangers are for the ends of the trimmer and trimmed joists
			Less Trimming joists 2 Trimmed joists 9	
2/	<u>2</u> <u>9</u>	} <u>Ddt</u> Last item		Where joists run parallel to the external wall restraining straps are used. They should extend over at least three joists and are fixed at 2 m centres. One end is turned down and fixed into the cavity
2/	<u>2</u>		2mm Galvanised ms joist hanger for 75 x 200mm joist built into blockwork	
	<u>9</u>		2mm Galvanised mild steel joist hanger for 50 x 200mm joist built fixed to softwood	Strutting is measure over the joists and not between them.
	<u>2</u>		2mm Galvanised mild steel joist hanger for 75 x 200mm joist built fixed to softwood	
2/	<u>4</u>		30 x 5 x 1500 mm long galvanised mild steel restraint strap once bent	
	<u>12.95</u>		38mm Thick treated softwood floor joist strutting	
	<u>12.95</u> <u>6.23</u>		19mm Thick flooring grade tongued and grooved chipboard horizontal flooring exceeding 600mm wide	
	<u>3.00</u> <u>1.00</u>		<u>Ddt</u> Last item	Stair well
			2	