

Roof assemblies

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Concrete tile pitched roof, timber frame, plasterboard ceiling	Pitched timber framed roof with concrete tiles on timber battens. Painted 10mm plasterboard horizontal ceiling with R4.0 fibreglass insulation.				
Materials	Description	Unit	Quantity	EWC (L/unit)	EW (L/m ²)
concrete roof tile (20mm)	concrete roof tiles	m ²	1.0	239	239
timber softwood (50x35 300C battens)	battens, softwood, 50 x 35	m ³	0.007	13181	92
timber softwood (90x35 600C framing)	rafters, softwood, 90 x 35	m ³	0.0063	13181	83
timber softwood (90x35 450C ceiling framing)	joists, softwood, 90 x 35	m ³	0.0095	13181	125
fibreglass insulation	insulation, 190mm thick, R4.0	m ³	0.17	1018	173
plasterboard	plasterboard lining 10mm	m ²	1.0	86	86
water-based paint	acrylic paint (ceiling paint)	m ²	1.0	16.1	16.1
814					

Terracotta tile pitched roof, timber frame, plasterboard ceiling	Pitched timber framed roof with terracotta tiles on timber battens. Painted 10mm plasterboard horizontal ceiling with R4.0 fibreglass insulation.				
Materials	Description	Unit	Quantity	EWC (L/unit)	EW (L/m ²)
terracotta roof tile (20mm)	terracotta roof tiles	m ²	1.0	175	175
timber softwood (50x35 300C battens)	battens, softwood, 50 x 35	m ³	0.007	13181	92
timber softwood (90x35 600C framing)	rafters, softwood, 90 x 35	m ³	0.0063	13181	83
timber softwood (90x35 450C ceiling framing)	joists, softwood, 90 x 35	m ³	0.0095	13181	125
fibreglass insulation	insulation, 190mm thick, R4.0	m ³	0.17	1018	173
plasterboard	plasterboard lining 10mm	m ²	1.0	86	86
water-based paint	acrylic paint (ceiling paint)	m ²	1.0	16.1	16.1
749					

Corrugated steel sheet roof, timber frame, plasterboard ceiling	Pitched timber framed roof with colourbond corrugated steel on timber battens. Painted 10mm plasterboard horizontal ceiling with R4.0 fibreglass insulation.				
Materials	Description	Unit	Quantity	EWC (L/unit)	EW (L/m ²)
steel (corrugated sheet colourbond)	colourbond steel roofing	m ²	1.0	286	286
timber softwood (50x35 300C battens)	battens, softwood, 50 x 35	m ³	0.007	13181	92
timber softwood (90x35 600C framing)	rafters, softwood, 90 x 35	m ³	0.0063	13181	83
timber softwood (90x35 450C ceiling framing)	joists, softwood, 90 x 35	m ³	0.0095	13181	125
fibreglass insulation	insulation, 190mm thick, R4.0	m ³	0.17	1018	173
plasterboard	plasterboard lining 10mm	m ²	1.0	86	86
water-based paint	acrylic paint (ceiling paint)	m ²	1.0	16.1	16.1
861					

Corrugated steel sheet roof, steel frame, plasterboard ceiling	Pitched steel framed roof with colourbond corrugated steel on steel battens. Painted 10mm plasterboard horizontal ceiling with R4.0 fibreglass insulation.				
Materials	Description	Unit	Quantity	EWC (L/unit)	EW (L/m ²)
steel (corrugated sheet colourbond)	colourbond steel roofing	m ²	1.0	286	286
steel (16x32 battens)	battens, steel, 16 x 32	kg	1.5	77.6	117
steel (90x45 600C framing)	rafters, steel, 90 x 45	kg	2.1	77.6	164
steel (90x45 450C ceiling framing)	joists, steel, 90 x 45	kg	3.2	77.6	247
fibreglass insulation	insulation, 190mm thick, R4.0	m ³	0.16	1018	167
plasterboard	plasterboard lining 10mm	m ²	1.0	86	86
water-based paint	acrylic paint (ceiling paint)	m ²	1.0	16.1	16.1
1083					