

Earthsong Eco-Neighbourhood Stage 2

Materials schedule—units and common house

Earthsong Eco-Neighbourhood
2.10.03

Item	Materials
Foundations	Poured concrete foundation on flowable fill. Steel reinforcing
Ground Floor	100mm reinforced concrete slab to main two-story part of house. Unreinforced concrete slab to single storey bedrooms. Coloured oxide troweled into surface. Tung oil finish.
Earth walls	350mm & 400mm rammed earth left natural. Vertical steel rods at 1200 mm centres, no horizontal rods.
Upper Floor(Terrace Houses & lofts)	Macrocarpa beams, 150 x 50 macrocarpa mill flooring exposed as ceiling to lower floor. Tung oil finish to floor and ceiling.
Upper Floor(Fourplex & singles)	Concrete floor with marmoleum flooring and tiles to bathroom. 19mm pine ply to timber bedroom wings with carpet flooring. 2 /12.5mm gib ceiling on clips with 100mm polyester acoustic insulation
Upper Floor(Common House)	21 mm pine ply on Hybeam joists. 2/12.5 mm gib ceiling on clips with acoustic ceiling panels to kitchen ceiling.
Timber framing	Lawsons Cypress or Douglas Fir wall and roof framing, Macrocarpa where exposed.
Cladding	Lawsons Cypress board & batten. "Greenwrap" building paper.
Joinery	Macrocarpa exterior windows and doors. Macrocarpa and pine ply interior doors. Douglas Fir TG&V cupboard doors.
Roofing	Unpainted corrugated Zinalume, "Greencap" building paper
Spouting & downpipes	Zinalume quarter round, Polypropylene downpipes
Insulation	Thermal: 100mm wool/polyester to walls & 120mm to ceilings. Acoustic: 100mm polyester.
Interior linings	Ex 150 x 10mm Lawsons Cypress TG&V to stairwell and cupboards. Gibraltar board to bedroom walls and party walls. Wet lining: ceramic tiles
Interior finishing	Macrocarpa and Lawsons Cypress.
Stair	Macrocarpa treads and risers with Tung Oil finish.
Joinery Hardware	Brass
Pipework – houses	Copper water supply with silver-backed tape and wool lagging insulation for hot water pipes. PVC wastes.
Bathroom fittings	Ceramic WC and basin. Porcelain on steel bath and shower tray. Chrome taps.

Kitchen cabinets	Laminated macrocarpa benchtops with timber upstand and tung oil finish. St.st. sink insert. Solid macrocarpa cabinets with tung oil finish. Ariston electric oven & rangehood, gas hob. Ceramic tiles above stove.
Electrical and communications	CAT5e data cable for future high-speed internet. Houses wired to allow demand switch to bedrooms. Smoke detectors. PV cable installed in houses for future connection.
Pergola	Macrocarpa or Lawsons Cypress.
Water heaters	Beasley Prestige solar water heaters.
Driveway and paths	Hotmix on hardfill to main drive. Turfblock with gravel infill to secondary drive. Grasscell with gravel infill to parking areas. Grasscell with soil infill to tree root zones. Concrete paths.
Council services	Polyethylene city water supply to sink and basin only. Wastewater to sewer in PVC wastewater drains.
Rain Water	Roof water piped to tanks with polypropylene downpipes and drains. Polypropylene and polyethylene tank water supply to houses for hot water, bathing and WC. Planted swales to channel, filter and absorb surface ground water. Pond to filter and hold ground water.
Communication	Future centralised TV aerial. Future reticulated data cable for high-speed internet