

EARTHSONG ECO-NEIGHBOURHOOD
HOUSE MATERIALS SCHEDULE Stage II(b) 2006

ITEM	MATERIALS
Foundations & Ground Floor	Poured concrete foundation on flowable fill, steel reinforcing. 100mm concrete slab on polythene DPC on compacted clay and pit sand. Reinforcing mesh to ground floor of two-story buildings, un-reinforced slab to single storey bedrooms. Coloured oxide trowelled into surface with tung oil finish. Door sills Eucalyptus saligna.
Earth walls	350mm and 400mm rammed earth, sealed with Techdry to internal kitchen walls only. Vertical galv steel rods at 1200 mm centres, no horizontal rods. PVC conduits for electrical and data cables. Window sills soil/cement rammed in-situ
Upper Floor Terrace & lofts	Macrocarpa beams, macrocarpa 300 x 50 mill flooring laminated with water-based allopathic resin. Bathrooms have Os-Color finish, elsewhere Tung oil finish.
Upper floor between apartments	Stahlton pre-stressed concrete floor to kitchen, living/dining and bathroom with Marmoleum on corkment to kitchen and living, ceramic tiles on acoustic tiles to bathroom. 19mm pine ply to timber bedroom wings with 48 oz wool carpet on underlay 2 /12.5mm gib ceiling on Rondo screwfix ceiling grid to lower units, 50mm Novahush 580 acoustic insulation under concrete.
Timber framing	Heart Lawsons cypress untreated wall framing on malthoid DPC Heart Macrocarpa or lawsons untreated roof framing
Cladding	Western Red Cedar board & batten with CD50 finish. Greenwrap building paper. 0.4mm Colorsteel baby corrugated to upper dormers. 0.5mm type 316 stainless steel flashings.
Joinery & hardware	Macrocarpa exterior windows & doors, mac & pine ply interior doors, tung oil finish, brass hardware.
Roof	Corrugated Colorsteel 0.4mm Zinalume on Greencap building paper Velux roof light VS 0075 101 & Alsynite 300 Spinaway rotary vent to terrace houses Compressed sheet to pergolas, Supalux hoods. Zinalume quarter round spouting unpainted, 0.55mm Colorsteel flashings
Insulation	Thermal: 100mm R1.8 Novatherm to exterior walls, R1.8, R2.4 & R3.6 Novatherm to ceilings. Acoustic: R1.8 Novatherm to timber party walls, 50mm Novahush to conc. party ceiling Fire separation: Firepro, Kaowool
Interior linings & finishing timber	Lawsons cypress & macrocarpa with tung oil finish, gib board with EcoPaint finish, Wet lining: ceramic tiles on waterproofing on Aqualine gib Shared stairwell ceilings - Woodtex
Stairs	Concrete external stairs with eucalyptus treads, macrocarpa ladders with pine rungs, tung oil.
Plumbing and drainage	Polyethylene site pipes, Fusiotherm internal pipes for hot and cold water supply, PVC wastes with Acoustop barrier wrap, Polypropylene downpipes
Bathroom fittings	Ceramic WC and basin, porcelain on steel bath to terrace houses, chrome taps.
Kitchen fittings	Laminated macrocarpa benchtops with timber upstand, tung oil finish, st.st. sink insert, solid macrocarpa cabinets with tung oil finish, Ariston electric oven, gas hob & rangehood Ceramic tiles above stove, Methven Promix sink mixer
Electrical & data	CAT5e data cable for phone and high-speed internet, smoke detectors wired to mains. 2/16mm cable from cupboard to roof space for future photovoltaic installation
Water heaters	Beasley silver Prestige solar water heaters with Hitachi frost valves, 1 & 2 bedroom units – 180 litre, 3 bedroom units – 330 litre.