

AUSTRALIA'S FIRST, ON-LINE LIFE CYCLE FOOTPRINT RATESBOOK FOR CONSTRUCTION MATERIALS, ASSEMBLIES & DESIGN BENCHMARKS

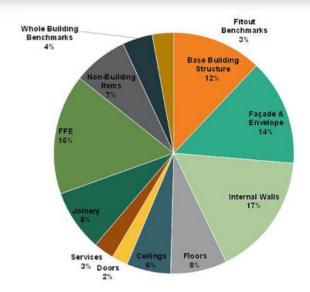
We are passionate about the built environment and its contribution to the wellbeing of society. We believe that sustainability done "right" is the simultaneous delivery of economic, environmental and social gains. We seek to enable stakeholders to make sustainable decisions at the point of design and construction.

Australian construction measurement and element allocation methods are employed to enable rates to be aligned with cost planning and estimating practices for rapid optimisation assessment. Expressed simply as cradle to gate.

- Easy on-line access to embodied carbon information for construction materials & assemblies.
- Access information to speed building LCA assessments.
- ISO 14040-48 consistent & principally based on Australian LCI data (with some overseas materials).
- · Updated quarterly.

Embodied carbon, energy, ecological footprint and cost now available.

Section	Sub-Sections	# Rates		
Base Building Structure	ding Structure Concrete / Steel / Formwork / Structure composite			
Façade & Envelope	External walls / windows / curtian walls / sunshades / cladding	197		
Internal Walls	Heavy / Light and composite walls / brick - blockwork / wall finishes	228		
Floors	Resiliant/ Hard / Timber / Soft / Access Floors	105		
Ceilings	Framing systems / acoustic / timber / ceiling finishes	82		
Doors	Multiple types	30		
Services	Mech / Elec / Fire / Hydraulic / VT	38		
Joinery	Various	114		
FFE	Furniture / IT equipment / Consumables / Kitchen Equipment	223		
Non-Building Items	External / pulic realm / street furniture / pavements	102		
Whole Building Benchmarks	Retail / Office / Residential / Carparks	56		
Fitout Benchmarks	All commodity groups	40		
TOTAL		1382		



SAMPLE

INTERNAL WALLS		Unit +	Ecological Footprint (gm2/unit)	Embodled Carbon (TCO2/unit)	OptionSection
Hebel 100mm with glue and reinforcement		m2	0.016	0.059	Concrete
Hebel 200mm with glue and reinforcement		m2	0.024	0.09	Concrete
Precast concrete panel 50mm thick		m2	0.0251	0.098	Concrete
Concblock 90mm - hollow		m2	0.029	0.109	Concrete
Concblock 150mm - hollow		m2	0.029	0.109	Concrete
Concblock 200mm - hollow		m2	0.085	0.132	Concrete
Hebel 300mm with glue and reinforcement		m2	0.085	0.135	Concrete
RECYCLED (reo) Conc block 200mm - mortarless & reo		m2	0.055	0.205	Concrete
Concblock 200mm - mortariess standard		m2	0.08	0.295	Concrete
Concblock 150mm - core fill Sec J Insulation		m2	0.084	0.311	Concrete
Concblock 200mm - core filled & reo		m2	0.094	0.348	Concrete
Pre cast concrete panel 175-200mm thick, insulated		m2	0.1004	0.372	Concrete
Glazed 6.38mm Iam SGU in aluminium mullions 150 x 80mm		m2	0.135	0.5	Glazed
Glazed 10.38mm lam SGU in aluminium mullions 150x 80mm		m2	0.145	0.54	Glazed
Toughened glass 10-12mm in frameless glazing system		m2	0.152	0.5	Glazed
Toughened glass 10-12mm in aluminium framing system		m2	0.203	0.75	Glazed
Ortech (or similar) 58mm panelled wall system		m2	0.003	0.001	Other
Coolroom panels 100mm thick		m2	0.049	0.18	Other
RECYCLED (frame) Gal steel frame (90x50) 12mm p'board each side		m2	0.023	0.084	Steel

