

GREENER BUILDING BLOCKS

BRAND AND PRODUCT	TYPE	CO ₂ EMISSIONS	MATERIALS USED	PERCENTAGE OF RECYCLED MATERIAL	INSULATION (R-VALUE)	FIRE RESISTANCE LEVEL	ECO LABEL OR THIRD PARTY CERTIFICATION	MORE INFORMATION
Timbercrete	Bricks and panels	Stores carbon – specific data not available	Recycled sawdust, cement, sand and binders.	50 per cent	—	4 hours at 190mm thick	—	www.timbercrete.com.au
Clinka	Blocks	Low embodied energy and high thermal performance. Contact the manufacturer for details.	Expanded clay aggregate with small quantities of cement and sand. isoBLOK products also have polyurethane (PUR) or expanded polystyrene (EPS) core.	None	Up to 3.4 at 250mm thick	Up to 4 hours at 250mm thick	Manufactured under ISO 14001 eTool LCA comparison available on various products	www.clinka.com.au
Green Energy Bricks	Bricks	No data available	High density PIR foam core with magnesium oxide board skin.	—	8 at 200mm thick	Undergoing testing to meet BAL-FZ	—	www.greenenergybricks.com
ecobricks	Bricks	—	Recycled bricks	100 per cent	—	—	—	www.ecobricks.com.au
Geobrick	Bricks	Up to 87 per cent less CO ₂ emitted during production than conventionally fired bricks	Clay, gravel, recycled brick &/or glass and cement or green binder.	Up to 50 per cent	No data available	4 hours	—	www.geobrick.com.au
Boral Envirocrete	Concrete	No data available	Recycled aggregate, supplementary binders	20–30 per cent	—	—	—	www.boral.com.au
Hempcrete Insulime and Insulcore	External building fabric	One cubic metre estimated to absorb and sequester 150kg of CO ₂ over a 100 year life cycle	Hemp aggregate, lime-based binder	Up to 100 per cent	4.2 for a 300mm wall	Up to 73 min at 300mm thick	—	www.hempcrete.com.au
Ritek wall system	Panels	No data available	Fibre cement, aluminium and acrylonitrile butadiene styrene (ABS)	Of the 80 per cent fibre cement component, 30 per cent is recycled	1.4 to 3.2	Up to 4 hours	EcoSpecifier Verified	www.ritek.net.au www.ecospecifier.com.au
SIPS Industries Australia	Panels	No data available	Polystyrene foam core	—	Up to 4 depending on thickness	Up to 73 minutes	—	www.sipsindustries.com.au
Hebel Block/Panel	Blocks and panels	Up to 64 per cent less embodied energy and greenhouse gas emissions than the comparable products	Aerated concrete	—	Up to 4.67	Up to 4 hours	EcoSpecifier Verified & Good Environmental Choice Australia (GECA)	www.hebelaustralia.com.au

A NOTE ABOUT THIS TABLE

This table synthesises information from a variety of sources. It lists some of the products available in the Australian market and should be used as a guide only. *Sanctuary* does not endorse any particular product. For up-to-date information and to choose the best product for your situation, consult your designer/builder, third party eco label websites and/or the relevant manufacturer.