

Environmental Declaration

The standard Benex composite wall system was evaluated on a whole of lifecycle* basis against what was assessed by the BCA as standard wall construction method for a range of standard building types as shown in the table below.

Benex as a composite wall system comprising of the Benex H600R + Aircell Insulbreak 80 insulation + 10mm plasterboard in almost all cases outperformed the benchmark building method in the Sole-Occupancy Unit, Single Storey Dwelling and Low-rise Warehouse. The percentage improvements reflect the compounded emissions of the constructed wall systems taking into account both the embodied energy and the superior thermal operational performance of the Benex wall system.

Increasing the added insulation will further improve the environmental performance of the Benex wall systems.

Climate Zone	Building Type		
	Sole-Occupancy Unit Building	Single-storey Detached Dwelling	Low-rise Warehouse
1	2.0%	0.0%	2.8%
2	6.0%	1.8%	3.4%
5	5.9%	1.3%	4.4%
6	2.7%	-1.6%	2.8%

*Environmental declaration: Whole-of-building, Whole-of-Life, Cradle-to-Grave, Benchmarked Life Cycle Assessment Method; Conducted by Quasar Management Services Pty Ltd 2010.