

# ECO Bead

## CAVITY INSULATION

### What is ECO Bead Cavity Wall Insulation?

ECO Bead Cavity Insulation is a unique BONDED blow in bead, suitable for most cavity walls. ECO Bead Cavity Insulation is a Graphite insulation bead featuring high purity graphite particles. Our Bonded bead Insulation is unique and new to Australia. Giving home owners a superior product suitable for new builds and retrofit in existing homes. Our unique BONDED system means no beads will move within the cavity and wont escape during any works or alternations. Made from polystyrene, it works the same as an esky that keeps drinks cold in the summer or the thermos that keeps your coffee warm in the winter. ECO Bead Cavity Insulation sits between the inner skin and the outer skin of your exterior walls inside the vacant cavity. This creates a thermal break between the two brick skins, reducing heat transfer and protecting your home from external temperature changes.

Physical Properties		Graphite EPS
Nominal Density	Kg/m3	11-12
Bead Size	mm	2.0-4.0
Product R Value	50mm cavity	1.56
Total R Value	50mm	2.8
Lambda Value	(w/m.k)	≤ 0.032
Combustion Performance	Class	B
Water Vapour Permeability	ng/pa.ms	≤ 4.5



### Environmental Impact

ECO Bead Cavity insulation is 100% recyclable, is not harmful for the ozone, has a low global warming potential, and poses no threat to the environment.

**Dermot Cross**  
0498 008 510

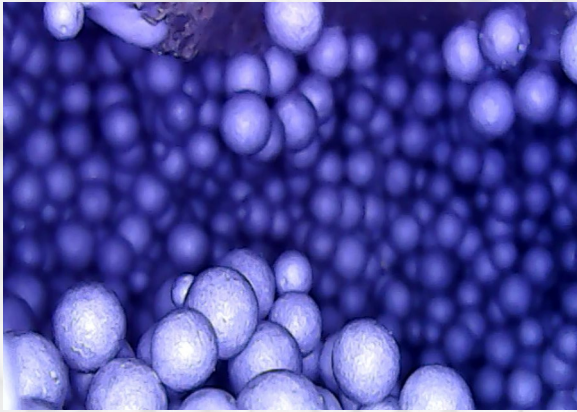
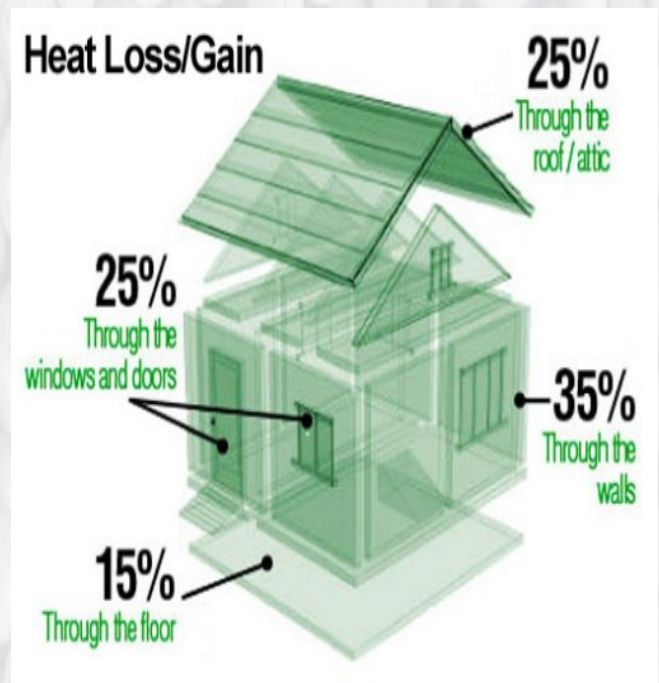
**Kylie Edwards**  
0421 287 921

[ecobead.com.au](http://ecobead.com.au)  
[info@ecobead.com.au](mailto:info@ecobead.com.au)

**CONTACT US NOW FOR A FREE QUOTE.**

## How it Works

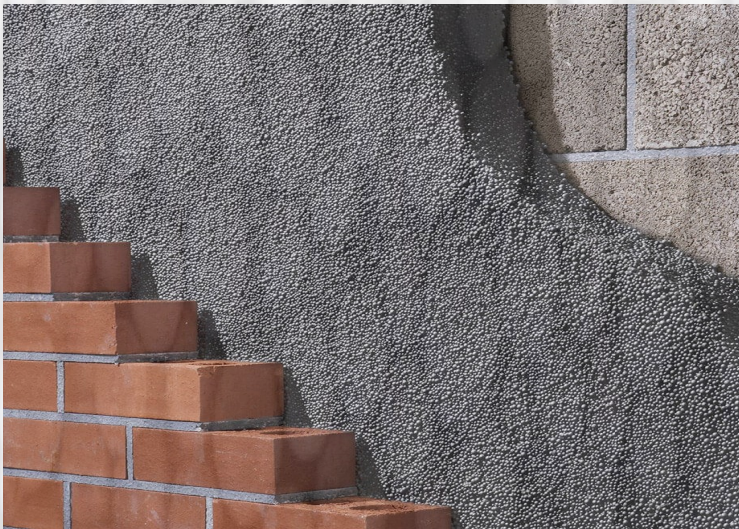
ECO Bead insulation fills 100% of the wall cavity, ensuring there are no GAPS. The graphite particles reflect and absorb radiant energy, slowing down the transfer of heat. The bead is injected into the wall along with a BONDING agent. The bonding agent is used to provide long-term stability to the Insulation. ECO Bead will help regulate the temperature of your walls, allowing your home to maintain an even temperature and reduce energy costs. No removal of gyprock or extra work needed. It is suitable to retrofit. The spherical nature of Cavity Shield means that water falls through the Insulation and has no ability to travel across the cavity. As the beads are not compressed in the cavity wall, the cavity remains breathable and maintains the moisture barrier as it was originally designed for.



## Our Guarantee

ECO Bead Cavity Insulation will not settle over time and will last the entire lifetime of your building and no maintenance. ECO Bead will not rot and has no nutritional benefits so does not attract pests such as vermin or termites. There is no additional risk of fire. The adhesive is water based and does not give off any toxic fumes. Bonded Bead Cavity Insulation has been the main choice of insulation in European countries for over 20 years.

Our Bonded Graphite bead is compliant and satisfies **Part 3.12 of Building Code of Australia Housing Provisions (BCA)** and **AS/NZS 4859.1 – Materials for the thermal insulation of buildings** when installed to the manufacturer's specifications, ensuring that the product performs as tested. ECO Bead Cavity Insulation is the ideal product to help homeowners achieve the required 6 star energy rating and the 2.8 R value of walls required as per the BCA Building Insulation and energy efficiency requirements.



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