

### **Q) What is radiant heat and why does it matter?**

Radiant heat is energy. Radiant heat is heat that is transmitted from a heat source through space. It is the heat we feel from distant objects like the sun or a fire. Radiant heat is also called infra-red heat or infra-red energy. A whopping around 80% of the heat transfer in your building envelope is via radiant heat energy, which heats up the house in summer.

### **Q) How does Green Insulation® work?**

Green Insulation® products are made up of layers of air bubbles sandwiched between 99+% pure aluminium foils. It reflects back up to 97% of the radiant heat to achieve thermal comfort inside home all year around. The Reflecta-Range™ patented coating protects the products from corrosion, oxidisation and glare.

### **Q) Does moisture and water vapour affect Green Insulation®?**

Green Insulation® products have a unique polymer coating on top of the aluminium surface, which is an excellent barrier against moisture and water vapour.

### **Q) How do I install Green Insulation®?**

Green Insulation® is easily installed and all the installation guidelines can be found on this site. [Click here.](#)

### **Q) Does Green Insulation® pass the fire test?**

All Green Insulation® products pass the required fire tests allowing it to be used in all buildings where AS/NZS 1530.2 & AS/NZS 1530.3 is a mandatory requirement. Green Insulation has a low flammability Index ( $\leq 5$ ). Please click here to download fire certificates.

### **Q) Additional benefits using Green Insulation®?**

All Green Insulation® products provide thermal comfort all year around. Green Insulation® has excellent R-values, fire properties, acoustic properties, tensile and burst strength, fall arrest properties and anti-slip properties. Its entire product range comes with 15 year long warranty.

### **Q) What does Total R-value mean?**

Total R-values indicates the thermal performance of insulation system. It includes the individual

R-value of product, air-spaces and building material which are part of the system. Higher total R-values reflects better thermal performance of system.

**Q) Can we achieve higher R-value with bigger air-space?**

Yes, higher R-values can be achieved simply by increasing the airspace facing the product.

**Q) What are different types of heat transfer?**

There are three types of heat transfer: Conduction, Convection and Radiation. Radiation is the major form of heat transfer responsible for temperature rise in a building during summer.

**Q) Do Green Insulation® bubble foil products comply with Australian Standards?**

All Green Insulation products do comply with Australian Standards of Insulation material including Fire and R-value calculations.