

LOW-E

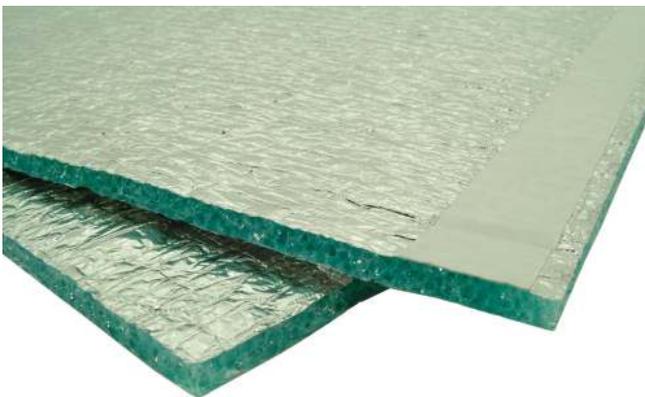
REFLECTIVE INSULATION



Low-E® Reflective Insulation acts not only as a superior air infiltration barrier, reducing draughts and uncontrolled air movement, but it also increases thermal performance by blocking up to 97% of radiant heat. Unlike some other insulation materials that off gases, Low-E® is totally non-toxic and with no fibres and no itching, Low-E® is In-door Air Quality tested and approved. Our closed cell foam core is made from recycled material, it won't absorb moisture, delaminate or corrode. It's virtually rot proof. With no multiple layers Low-E is lightweight, easy to cut, handle and install save considerable labour costs. With a Class A/Class 1 Fire Rating, Low-E® stops heat, deadens sound and provides moisture control all in one product. With one of the lowest carbon footprints of any insulation material Low-E® Reflective Insulation is the thinnest most effective reflective insulations on the market.

Product Composition

| | |
|-----------------|-----------------------------------|
| Facing Material | 99.4% Pure Aluminium |
| Core | Recycled Closed Cell Polyethylene |
| Facing Material | 99.4% Pure Aluminium |



EZ Seal is our standard 5.5mm thick material with an E-Z Seal edge to make joining rolls simple, quick and even more efficient. The insulation has a self adhesive strip along one edge of the roll which can be used to overlap or seam join to another roll. The self adhesive EZ Seal strip ensures a strong seam, making installing Low-E® even quicker and easier than ever before. E-Z Seal provides moisture control, a wind infiltration barrier and a thermal insulator designed to last.

Low-E® EZ Seal - L4EFEZ

| | |
|------------------|---|
| Thickness | 5.5mm |
| Roll Width | 1250mm (+30mm EZ Seal) |
| Weight | 150g / m ² |
| MVTR | >2000 MN s/g |
| Air Permeability | Zero - m ³ hr-1 m-2 @ 600 Pa |

Technical Information - EN 16012

| | | |
|--------------------------------------|---|------------------|
| Product Type | Type 2 | EN 16012 |
| Core Conductivity | 0.0366 W m ² K | BS EN 12264 |
| Emissivity | 0.05 | EN 16012 |
| R-value - Floor (2 Airspaces) | 1.92 m ² K/W | BS EN 6946 |
| R-value - Floor (1 Airspace) | 1.12 m ² K/W | BS EN 6946 |
| R-value - Wall (2 Airspaces) | 1.65 m ² K/W | BS EN 6946 |
| R-value - Wall (1 Airspace) | 0.99 m ² K/W | BS EN 6946 |
| R-value - Pitched Roof (2 Airspaces) | 1.41 m ² K/W | BS EN 6946 |
| R-value - Pitched Roof (1 Airspace) | 0.85 m ² K/W | BS EN 6946 |
| Fire Performance | Class 1/ Class A | BS 476/ ASTM E84 |
| MVTR | >2000 MN s/g | BS 3177 |
| Air Permeability | Zero - m ³ hr ⁻¹ m ⁻² @ 600 Pa | BS |

Additional Testing

| | |
|-----------------------------|------------------------|
| Corrosively | Pass |
| Delamination | Pass |
| Nail Tear | Pass |
| Tensile Strength | Pass |
| Crush & Puncture Resistance | 72 PSI / 96 PSI |
| Sound Transmission Class | STC = 40 |
| Fungi Mould Resistance | No Growth |
| Carbon Footprint per m | 359g CO ₂ e |
| GWP | Zero |
| Beach Puncture | 39.9 lbs |
| Nail Tear | 25-29 (N) |
| Tensile Strength | 44.88 - 59.68 (N) |

Thermal
Insulation,
Air Infiltration and
Vapour Barrier
All-in-one

