

LOW-E

REFLECTIVE INSULATION



Slab Shield insulation was designed specifically for use under concrete slabs both with, and without, hydronic heating systems. Slab Shield provides a vapor barrier and significant thermal performance. The product has a layer of 99% pure aluminum foil sandwiched between two layers of our unique closed cell polyethylene foam. The foil is not affected by the chemical reaction of curing concrete as the foam protects it from coming in contact with the concrete. The foam provides a thermal break between the warm slab and the foil. The second layer of foam provides a second thermal break between the foil and the cold hardcore. Low emissivity foil distributes the heat more evenly across the floor, give a fast response time and results in a more efficient heat system. SlabShield will not crack or crumble when faced with normal job site abuses. Slab Shield is not affected by the chemical reaction of curing concrete as the foil core is protected from coming in contact with the uncured concrete.



Foam may be green or white

Thermal
Insulation and
Vapour Barrier
All-in-one

Product Composition

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

Low-E® Slab Shield - L4FSFB

Thickness	11mm
Roll Width	1250mm
Weight	290 g / m ²
MVTR	>2000 MN s/g

All edges must be taped in order to maintain a complete vapour barrier





To provide greater comfort and energy efficient living, the easiest way to stop heat transfer between ground and slab, is to install Low-E® SlabShield insulation.

Build energy efficient structures from the ground up by using revolutionary SlabShield. Developed with the same Low-E® energy efficient technology that goes into Low-E® Reflective Insulation, SlabShield offers unique benefits not found in other under slab products.

SlabShield is engineered to not only help prevent heat transfer from ground to slab but also to provide a vapor barrier that protects from excess moisture.

Low-E® SlabShield is puncture resistant up to 93 psi and crush resistant up to 70 psi. Unlike other rigid under slab insulation, SlabShield adjusts and moulds itself to the contours of the grade providing a better and stronger concrete pour.

SlabShield is easy to apply and will not crack or break like traditional board insulation when walked on. It is lightweight and cuts easily with a utility knife. It comes in rolls with innovative interlocking tabs that provide a perfect seam when using several rolls side by side.

SlabShield is robust enough to take a pour of over 150mm of concrete but requires a minimum 60mm pour of concrete to reduce risk of movement or cracking.



BENEFITS

- Reduces slab response time
- Excellent vapour barrier
- Exclusive interlocking tabs
- Convenient and lightweight
- Puncture resistant to 93 psi
- Crush resistant to 70 psi
- Superior thermal performance
- Closed cell foam (not bubble wrap)
- Retains curing moisture for stronger concrete