

Thermacon Insulsteel Insulcav 55

Insulcav 55 has been specially developed by **Thermacon Insulsteel Pty. Ltd** as an insulation for double brick cavity walls, or pre-cast concrete walls, reducing the risk of condensation. Insulcav is the perfect product for walls which also require a moisture and vapour management system.

Manufactured utilizing a chemically cross-linked polyethylene foam structure, Insulcav is laminated on both sides with highly reflective foil, with one side antiglare. Insulcav is manufactured with tiny breather holes. These breather holes allow moisture permeate through.

Product Information

Product Thickness	5.5mm
Roll Size	33.33m x 1.350mm (45m ²)
Roll Weight	12.2Kg
Roll Diameter	460mm
Reflectance Antiglare	92%
Reflective Side	97%
Max Span	2.4m (without support)

Product Testing

Test	Test Standard	Result
Corrosion Resistance	AS/NZS 4859.1 Appen 1	Pass
Thermal Resistance	AS/NZS 4859.1 ISO8302:1991	R0.17
Cone Calorimeter	AS/NZS 3837	Group 1
Flammability	AS 1530.2	Low Index <5
Ignitability Flame Spread		
Heat Release	AS 1530.3	0/0/0/1
Smoke Release		
Emittance	ASTM-E408	Reflective E0.03 Anti-glare E0.08
Vapour Transmission	ASTM E96-2005	Medium
Dry Delamination	AS/NZS 4201.1-1994	Pass
Wet Delamination	AS/NZS 4859.1-2002 App.1	Pass
Shrinkage	AS/NZS 4201.3-1994	Complies – 0.3%
Duty	AS 4200.1-1994 Table1.Complies	Extra Heavy Duty

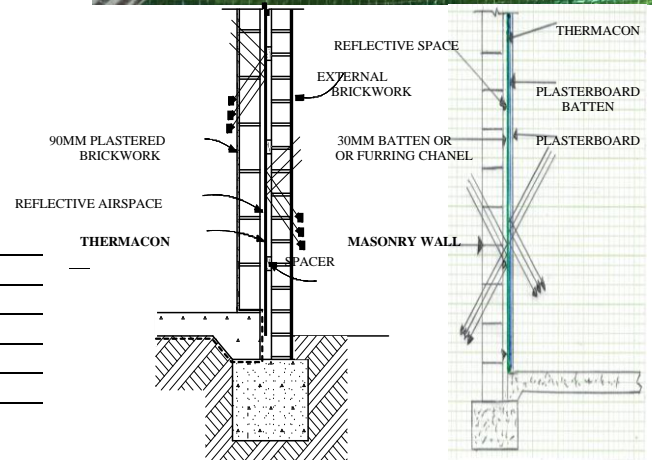
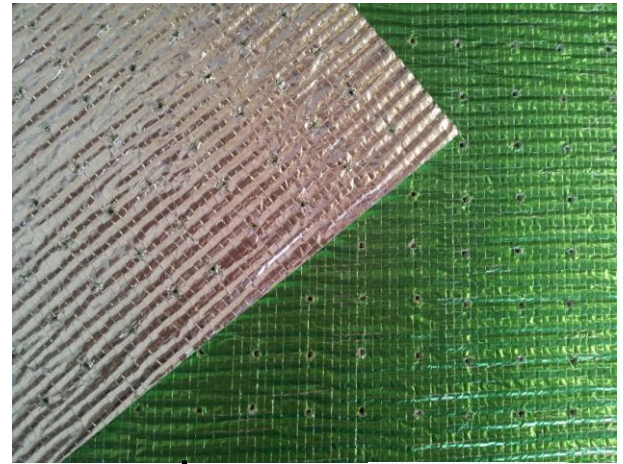
Thermal Performance[^]

Construction Type	Heat Flow In	Heat Flow Out
Double Brick Cavity Wall Insulcav 55	R1.94	R2.12
Masonry Block Wall Insulcav 55	R1.93	R2.16

For other Thermal Performance figures please consult our Technical Data Sheet.

[^] The R-Values shown were prepared and certified by James M. Fricker MIEAust, CPEng, Consultant engineer in insulation to the BCA, the NCC 2012, and the insulation industry. These values are based upon product in an in service condition, and are in accordance with AS/NZS 4859.1:2002.

Total R Values are based on product in-service conditions in accordance with AS/NZS4859.1:2002/Amdt 1 (Dec 2006) including the alteration of insulation material R for temperature and derations of reflective foil emittances due to dust as noted. Where a cavity is sealed, it is assumed there is no dust and n=hence emittance is not derated.



Thermacon Insulsteel products carry a 10 year warranty on Commercial applications and a 15 year warranty on Domestic applications against Delamination and Oxidation.

** subject to Thermacon Insulsteel Pty Ltd standard warranty guidelines (available upon request). **



All Thermacon Insulsteel products are manufactured under license by Unipro Manufacturing Co. Ltd.

