



Complete green product certified by Green Business Centre
- Confederation of Indian industries on behalf of
Indian Green Building Council.

Supreme[®]
People who know plastics best



**The ideal material to maintain
the ideal temperature**



Supreme Always Value Efficient

INSUreflector[®]

Reflective Insulation

INSUreflector

'INSUreflector' is a radiant heat reflective insulation material made of polyethylene air bubble film (ABF) laminated with aluminum foil on one or both sides. It is a low e-reflective insulation material with a low mass to air ratio, which effectively blocks the radiant heat transfer. The bright surface of the aluminium foil, which encases the FR polyethylene air bubble material, reflects 96% to 99% infra-red radiation received by the surface of the heated slated roof. The placement of the radiant barrier shall be in a manner to provide an air space below the roofing sheets or between vertical cladding for its effective utilization.

Features & Benefits

- Unaffected by alkalis, alcohols, detergents, petrochemical products and most mild acids
- Non-toxic and fiber free - Environment & user friendly
- Excellent tensile strength, puncture and tear resistance
- Non-carcinogenic, Chemically inert and free from combustible Volatile Compounds (VOC)

Technical Specifications

Physical Properties	INSUreflector Typical Values	Test Method
Reflectivity*		
A - With gridline pattern	99%	ASTM C 1371:97
B - With circular pattern	96%	
Emissivity*		
A - With gridline pattern	0.01	ASTM C 1371:97
B - With circular pattern	0.04	
Corrosion resistance*	No visible sign of corrosion	ASTM D 3310
Fire propagation*	Conforms to BS 476 Part 6: 1989 Class '0'	BS 476 Part 6: 1989
Surface spread of flame*	Conforms to Bs 476, Part 7, Class 1	BS 476 Part 7: 1997
Heat resistance*	Thermal resistance 13.70 K m ² /W	ASTM C 236
Puncture resistance*	39.24 Joules	TAPPI T 803
Fungus resistance*	Pass	ASTM C 1338
Water vapour transmission 7 Days*	Negligible	ASTM E 96
Water vapour transmission 28 Days*	Negligible	ASTM E 96

* Final spec value applicable for specified product & density. Please contact manufacturer for actual specs against product.

Industries

- Pharmaceuticals
- Industrial and Poultry sheds
- Textile mills
- PEBS
- Airports
- Logistic warehouses
- Skating rink
- Manufacturing units and many more...

Applications

- Underdeck insulation
- Wall insulation

Available in

- Rolls of 75 mtrs. length & 1250 mm width
- 4mm, 8mm with different GSM range 230, 300 & 400 is available.
- Also custom based product like both sides aluminium, one side aluminium & one side metpet, big bubble
- 5 layer and 7 layer bubble is also available

Connect with us

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THE ABOVE MENTIONED SPECIFICATIONS ARE FOR REFERENCE PURPOSES ONLY.

Disclaimer - "The information contained in this literature is given in good faith. The information & values given here are typical average values and are believed to be correct and to the best of our knowledge. However it is the user's responsibility to determine suitability of the application. The Supreme Industries Limited makes no guarantee of results and assumes no obligation or liability in connection with this advice". **Warning:** Although all the Supreme INSU Range of Products are ASTM fire tested and have excellent fire ratings; it is recommended that they or any insulation material should not be exposed to open flame or other ignition sources of sufficient intensity during shipment, storage or installation. **Caution:** Aluminum is an Electrical Conductor. Please use caution when working around electrical sources including overhead power lines.