



GRIHA certified



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

**Supreme**<sup>®</sup>  
People who know plastics best

The ideal material to maintain  
the ideal temperature



Supreme Always Value Efficient

**INSU**reflector<sup>®</sup>

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 <sup>2</sup> /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

GSTIN : 24AAVFV2909E1ZY



# Vansh Enterprise

All type of insulation & Accessories