

Thermal protection is important for many items especially during manufacture or transportation that require protection from environmental factors such as heat, wind, rain and dust. Our **THERMSHIELD** products help maintain the value and quality of goods which contribute to reducing scrap as a result of exposure to extreme temperature and humidity fluctuation.

Our pallet covers and insulating blankets provide exceptional protection from thermal challenges as well as providing cushioning of the product as an added advantage. It helps to minimize temperature and humidity fluctuation. This is especially important for perishable and temperature sensitive products. Our covers are ideal for reducing the risk of fluctuation during storage and transportation.

## **THERMSHIELD Insulating Blanket (IB)**

A thermal insulating blanket is an excellent solution for reducing temperature fluctuation during transportation and storage by reflecting thermal radiation, especially suitable for use on bulky products.

- IB-MF1M** High tensile single-sided aluminium woven film insulating blanket
- IB-MF2M** High tensile double-sided aluminium woven film insulating blanket

## **THERMSHIELD Pallet Cover (PC)**

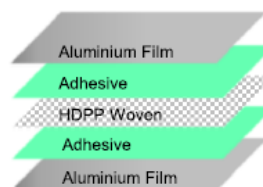
**Foil Laminate Industries** provide cost-effective and durable pallet covers that protect your bulk perishable and temperature sensitive products. Our covers are ideal to minimize temperature and humidity fluctuation during storage and transportation. We offer perfect-fit pallet covers which are ideal for shipping single or multiple pallets requiring superior all-enclosing insulation.

- Reflect more than 95% of radiant heat
- Minimize temperature fluctuation
- Minimize humidity fluctuation
- Protect goods from mechanical damage such as forklift
- Shield from dust, dirt and contamination
- Lightweight, quick and easy to fit
- Maintains product quality and value
- Reusable

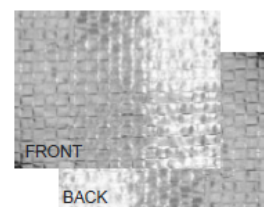
- PC-MF2M** Double-sided aluminium film woven pallet cover



Single-sided

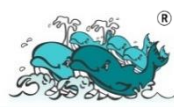


Double-sided



SPECIFICATION	STANDARD	UNIT	IB-MF1M	IB-MF2M / PC-MF2M
Grammage	Electronic scale	GSM	90 - 100	110 - 130
Thickness	Digital caliper	micron	120 - 140	150 - 170
Water Vapor Transmission	ASTM E96	g/m <sup>2</sup> /day	-	1.01
Water Barrier	ASTM F 1249-06	g/m <sup>2</sup> /day	0.22	-
Reflectivity / Emissivity	Supplier's Specification	%	95% / 5%	95% / 5%
Tensile Strength	Machine direction	ASTM D882 - 02	N/25mm	400 - 550
	Cross direction	ASTM D882 - 02	N/25mm	400 - 550
Elongation	Machine direction	ASTM D882 - 02	%	15 - 20
	Cross direction	ASTM D882 - 02	%	15 - 20
Tear Strength	Machine direction	ASTM D1004	N	30 - 50
	Cross direction	ASTM D1004	N	30 - 50
Puncture Resistance	ASTM F 1306 - 90	N	120 - 160	153 - 178

- Technical information provided represents average result of tests conducted under standard procedure and is subject to variation.
- No guarantee can be made regarding specific applications or patent rights.



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