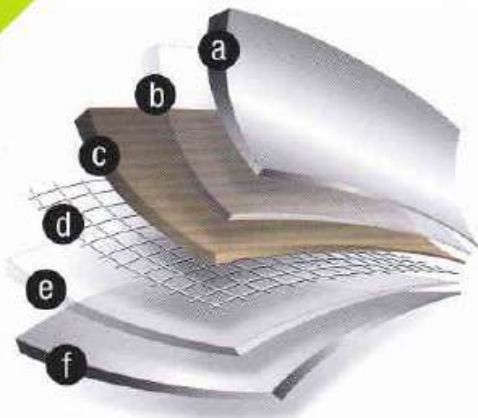


PAPER FOIL

FR450-6L



Roll Size: 1.22m x 45m

Product Description

CAMEL FR450-6L is a 6 layers radiant barrier, using 2 external layers of pure aluminium foil bonded to 1 layer of kraft paper and reinforced with fiberglass mesh.

Suggested Application

Residential Concrete / Clay Tiles Roofing, Industrial / Commercial Metal Roofing, Poultry Houses Metal Roofing, House Wrapping and Air-con Ducting.

Product Specification - FR450-6L

- a. Pure Aluminium
- b. Bonding Layer
- c. Recycled Kraft Paper
- d. Fiberglass Scrim
- e. Bonding Layer
- f. Pure Aluminium

Description	Standard	Unit	Value
Weight	BS EN ISO 9864	g/m ²	150 ± 10
Thickness	-	mm	0.14 ± 0.02
Tensile strength MD	ASTM D 828	N/25.4mm	150 ± 30
Tensile strength CD	ASTM D 828	N/25.4mm	80 ± 10
Initial Tear Resistance MD	ASTM D 1004	N	60 ± 20
Initial Tear Resistance CD	ASTM D 1004	N	60 ± 10
Tear Propagation MD	ASTM D 2261	N	8 ± 2
Tear Propagation CD	ASTM D 2261	N	9 ± 3
Puncture Resistance	ASTM D 4833	N	60 ± 20
Emittance of surface	ASTM E 408	%	3 - 5
Reflectivity of surface	ASTM E 408	%	95 - 97
Durability	Europe	Year	7.5 Zone 3
QUV-A	Europe	Hour	Pass
Thermal Insulation - R value	AZ /N/ZS 4859:1	R-m ² .k/w	-
Water Vapour Transmission Rate	ASTM E 96	g/hr.m ²	-
Water column ¹ test	Europe	1 meter	Pass
Flammability	BS 476 : Part 6	Index	5.7
	BS 476 : Part 7	Class	1
Water Absorbency	AZ /N/ZS 4201.6	g/m ²	-
Shrinkage	AZ /N/ZS 4201.3	%	-
Fungi Growth Ability	-	-	Nil
Bomba Certification	BS 476 : Part 6 & 7	Class	0

KEY BENEFITS



Advanced Thermal Performance
reflecting 97% of radiation heat



No Health Hazards Fiber Free
anti bacteria and anti fungal, non-asthmatic and poses no health and safety risks



Easy Installation
no additional protective film, fast & easy



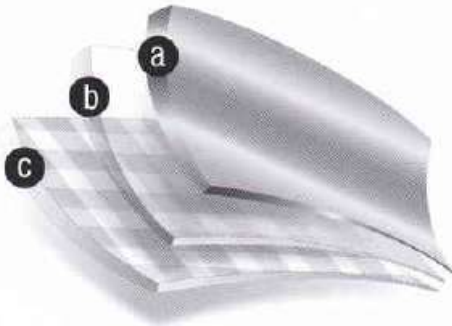
Energy Saving, Cost Saving



Fire Retardant
Achieved Class 0 Classification

WOVEN FOIL

W118m



Roll Size: 1.25m x 48m

Product Description

CAMEL W118m is a 3 layers radiant barrier, using 1 layer of highly reflective metalized film bonded to 1 layer of extra strong woven fabric.

Suggested Application

Residential Concrete / Clay Tiles Roofing,
Industrial / Commercial Metal Roofing, Poultry
Houses Metal Roofing.

Product Specification - W118m

- a. Metalized Film
b. Polymer Bonding
c. HDPE Woven Fabric

Description	Standard	Unit	Value
Weight	BS EN ISO 9864	g/m ²	100 ± 10
Thickness	-	mm	0.12 ± 0.02
Tensile strength MD	ASTM D 5035	N/50mm	600 ± 50
Tensile strength CD	ASTM D 5035	N/50mm	520 ± 20
Tear Resistance MD	ASTM D 2261	N	100 ± 10
Tear Resistance CD	ASTM D 2261	N	90 ± 10
Puncture Resistance	ASTM D 4833	N	220 ± 30
Emittance of surface (Alu)	ASTM E 408	%	50
Reflectivity (Alu)	ASTM E 408	%	50
Durability	Europe	Year	7.5 Zone 3
QUV-A	Europe	Hour	Pass
Humidity Ageing	Europe	Days	Pass
Fast Freeze -thaw	Europe	Cycles	Pass
Heat Flux	Europe	W/m ²	43.8
Thermal Insulation - R value	AZ /N/ZS 4859:1	R-m ² .k/w	1.07
Water Vapour Transmission Rate	ASTM E 96	g/hr.m ²	0.04
Water Vapour Transmission Rate	ASTM F 1249	g/m ² /day	0.445
Flammability	BS 476 Part 6 & 7	Class	-
Water Absorbency	AZ /N/ZS 4201.6	g/m ²	2.72
Shrinkage	AZ /N/ZS 4201.3	%	0.1
Fungi Growth Ability	-	-	Nil

KEY BENEFITS



Advanced Thermal Performance
reflecting 50% of radiation heat



3 in 1
provided a protective insulation barrier, radiant barrier and waterproofing membrane



No Health Hazards Fiber Free
anti bacteria and anti fungal, non-asthmatic and poses no health and safety risks



Easy Installation
no wire mesh no additional protective film, fast & easy



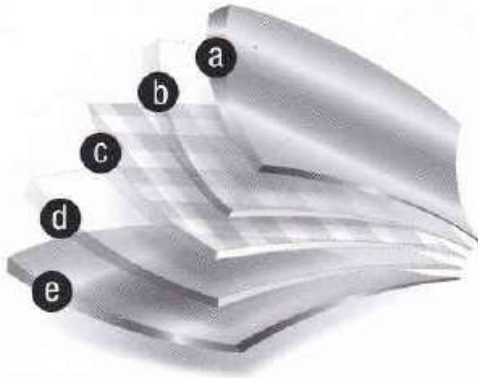
Energy Saving, Cost Saving



Long Lasting

WOVEN FOIL

W228mm



Roll Size: 1.25m x 48m

Product Description

CAMEL W228mm is a 5 layers radiant barrier, using 2 external layers of highly reflective metalized film bonded to 1 internal layer of extra strong woven fabric.

Suggested Application

Residential Concrete / Clay Tiles Roofing, Industrial / Commercial Metal Roofing, Poultry Houses Metal Roofing, House Wrapping and Air-con Ducting.

Product Specification - W228mm

- a. Metalized Film
- b. Polymer Bonding
- c. HDPE Woven Fabric
- d. Polymer Bonding
- e. Metalized Film

Description	Standard	Unit	Value
Weight	BS EN ISO 9864	g/m ²	130 ± 20
Thickness	-	mm	0.18 ± 0.02
Tensile strength MD	ASTM D 5035	N/50mm	600 ± 200
Tensile strength CD	ASTM D 5035	N/50mm	700 ± 200
Tear Resistance MD	ASTM D 2261	N	100 ± 50
Tear Resistance CD	ASTM D 2261	N	80 ± 50
Puncture resistance	ASTM D 4833	N	240 ± 10
Emittance of surface (Alu)	ASTM E 408	%	50
Reflectivity (Alu)	ASTM E 408	%	50
Thermal Insulation - R value	AZ /NZS 4859:1	R-m ² .k/w	-
Water Vapour Transmission Rate	ASTM E 96	g/hr.m ²	-
Flammability	BS 476 Part 6 & 7	Class	-
Water Absorbency	AZ /NZS 4201.6	g/m ²	-
Shrinkage	AZ /NZS 4201.3	%	-
Fungi Growth Ability	-	-	Nil

KEY BENEFITS



Advanced Thermal Performance
reflecting 50% of radiation heat



3 in 1
provided a protective insulation barrier, radiant barrier and waterproofing membrane



No Health Hazards Fiber Free
anti bacteria and anti fungal, non-asthmatic and poses no health and safety risks



Easy Installation
no wire mesh no additional protective film, fast & easy



Energy Saving, Cost Saving



Long Lasting