

TERREAL COOLMAX™ ALUFOIL



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Alufoil CA



Thermal reflective insulation made of a High Resistance pure (99.4%) aluminium foil backing on one side and a strong Metalized layer on the other. Reflects 95% of radiant heat.

Roll size : 1.2m (W) x 100m (L) x 0.125mm (T)
Coverage : 120m²
Roll Weight : ± 19kg

Technical Data

PROPERTY	UNITS	DIR	CoolMax Alufoil CA
Emissivity (ASTM C 1371, E-408)	%		5
Reflectivity (ASTM 1371, E-408)	%		95
Heat Resistance (R) - under roof	m ² x °C / W	Down	Radiant Barrier
Heat Resistance conforms AS/NZ 4859.1	m ² x °C / W	Down	Radiant Barrier
Tensile strength @ peak (ASTM C-1336)	g/cm-width	MD	4800
		TD	4200
Elongation @ peak (ASTM D-882)	%	MD	46,2
		TD	42,2
Tear strength (ASTM D-1004)	N	MD	14,0
		TD	24,0
Thermal Integrity of Vapour Barrier (ASTM)	@-29°C to +66°C	MD	No cracks
		TD	No delamination
Puncture resistance (TAPPI T803)			0.7
Classification of Reaction to Fire •	Joule		(EN 13501-1 : 2002) Euroclass Bs2, d0, BS 476 part 1
Surface Burning Characteristic •			(ASTM E-84 Equiv,UL723) Class A
Flame spread classification and smoke density developed according to: UL 723, NFPA No. 255, UBC No. 8-1			N/A
Linear dimensional Changes (ASTM C 1136-92) at 110°C	°C		< 0.2
Linear Shrinkage (24 hrs in water)			0%
Water vapour transmission (ASTM E-96)	g/f ² hr		(TNO/PIRA @38°C, 90% R.H)0.001 g/m ₂ day
Fungal resistance test (ASTM C 1338)			No fungal growth
Corrosion resistance (internal test)	Conc.HCl		High resistance
Yield (nominal)	g/m ²		~ 150

Terreal CoolMax Alufoil are designed and manufactured under control of a Quality Management System, which meets the requirements of ISO 9001:2000 as certified by:



* All products are supplied with high resistance (H.R.) treatment against corrosion as standard.

Key Benefits



Advanced Thermal Performance
reflecting 95% of radiation heat



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



No Health Hazard 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



Fire Retardant
achieved Class 0 Classification & all International Standards



Long Lasting



DISTRIBUTED BY :

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