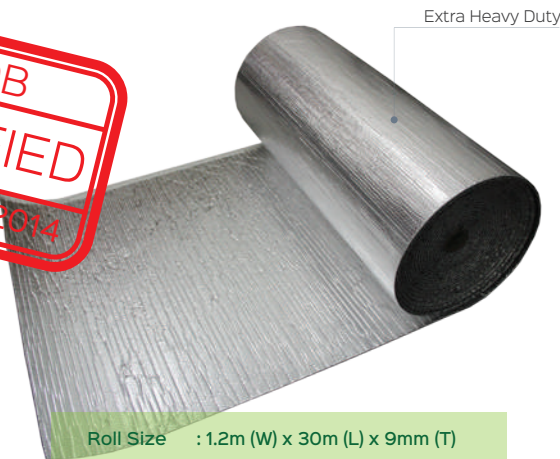


COOLMAX

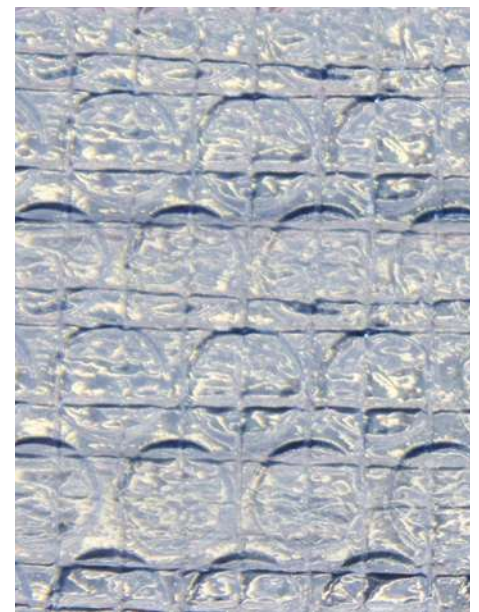
THERMAL REFLECTIVE INSULATION

TERREAL COOLMAX™

TRIPLEX FR NET - CPM5 NET

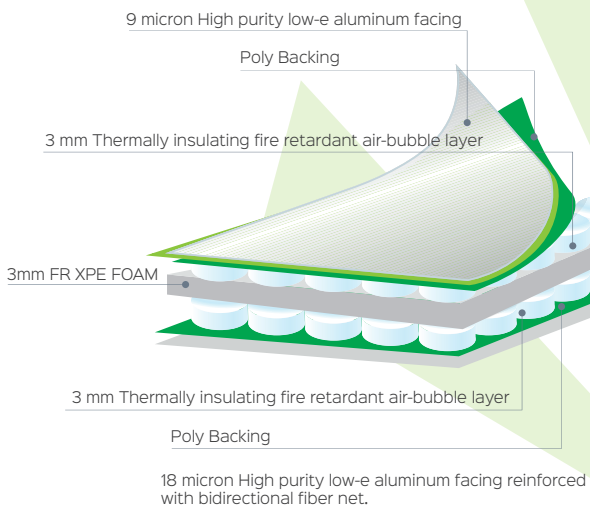


Roll Size : 1.2m (W) x 30m (L) x 9mm (T)
 Coverage : Coverage 36m² / roll
 Roll Weight : ± 14 kg



The CoolMax TRIPLEX FR NET (Product Code: CPM5 NET), is made of 2 external pure aluminium foil, covering a double layer of fire retardant polyethylene bubble film, and a single core layer of XPE fire retardant foam. Emissivity is low (0.03 to 0.05 for each reflective surface), and it is reinforced with bidirectional fiber net. The aluminium thickness are 9 micron for top layer, and 18 micron for bottom layer respectively.

Structure of Insulation



Key Benefits



Advanced Thermal Performance
 Reflects up to 97% radiation heat.



3 In 1 Protection
 Provides a protective insulation barrier, radiant barrier and water resistant membrane.



Fire Retardant
 Achieved "class 0" classification and all international standards.



No Health Hazard Fiber Free
 Anti bacterial, anti fungal, and non-asthmatic. Poses no health and safety risks.



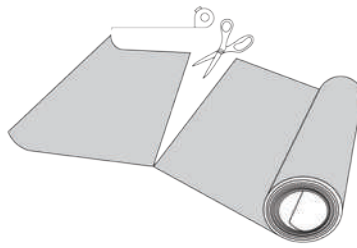
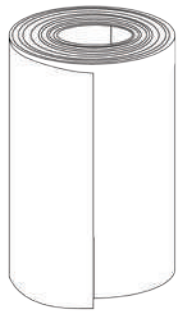
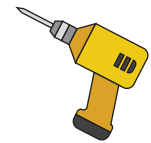
Easy Installation
 No wire mesh, no additional protective film, light weight, fast and simple installation.



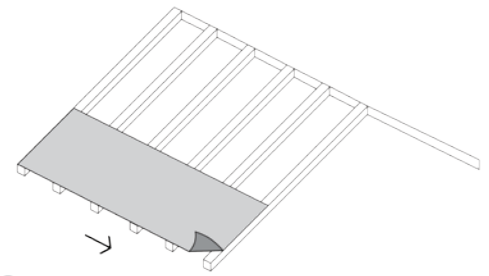
Energy Saving, Cost Saving
 Reduces cost of energy consumption on thermal comfort such as air-conditioning.



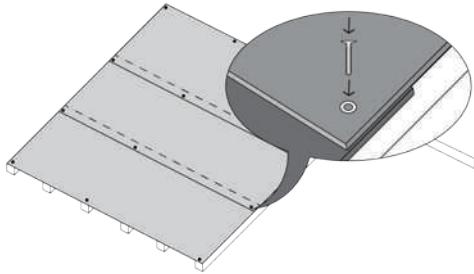
Intallation Guide For Roof Tiles



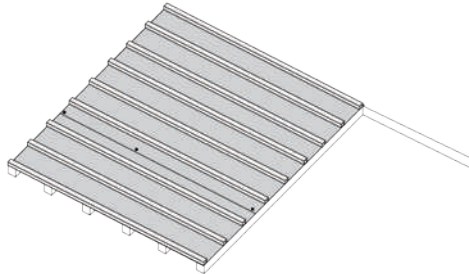
1 Unroll the COOLMAX foil and cut the length required.



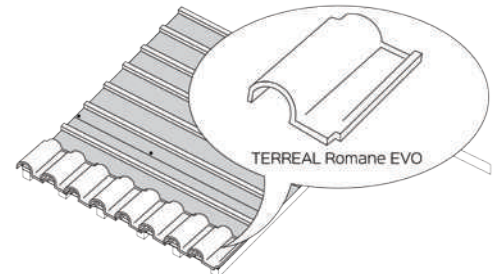
2 Starting from the rafter edge, lay the COOLMAX foil across.



3 The dotted line represents the overlapping requirements (min 50mm). Fasten the COOLMAX foil to the rafter by screws and washers. Screwing is recommended for every 8ft distance.



4 Install the batten on top of the COOLMAX foil according to the roof tile manufacturer's recommendations.



5 Install the roof tiles on top of the batten. Clay roof tiles are recommended for optimal roof performance.

Technical Specifications

Property	Units	CPM5-NET
Layer Description		Pure Aluminum Foil/FR Heavy Duty PE Bubbles/FR XPE foam/FR Heavy Duty PE Bubbles/ Bi-Directional reinforced netting 18 microns pure aluminum foil
Nominal thickness	mm	+/- 9.0
Bubble Diameter	mm	10
Emissivity (ASTM C 1371) – Portable Emissivity Meter		0.03 – 0.05
Reflectivity		0.97 – 0.95
Fire Hazard Properties according to AS/NZ 1530 part 3, 1999		PASS
Mean Ignition Time	Seconds	0
Mean flame propagation time	Seconds	0
Mean heat release integral	Kj/m2	0
Mean smoke release	Density/m	0.006
MS2095:2014 (SIRIM)		
Resistance to Dry Delamination	AS/NZS4201.1	Pass
Resistance to Wet Delamination	AS/NZS4201.2	Pass
Shrinkage – Machine Direction & Lateral Direction	AS/NZS4201.3	Pass
Tensile Strength - Machine Direction (AS/NZS1301.448s)	kN/m	Extra Heavy Duty
Tensile Strength – Lateral Direction (AS/NZS1301.448s)	kN/m	Extra Heavy Duty
Edge Tear Resistance - Machine Direction (TAPPIT470)	N	Extra Heavy Duty
Edge Tear Resistance - Lateral Direction (TAPPIT470)	N	Extra Heavy Duty
Vapour Barrier (ASTM E96, Procedure B-Wet Cup Test)	µg/N.s	Medium
Emittance (ASTM C1371)	e	0.02
Surface Flame Spread (BS 476:Part 7)		Class 1
Fire Propagation Test (BS 476:Part 6)		Class 0