



# COOLMAX

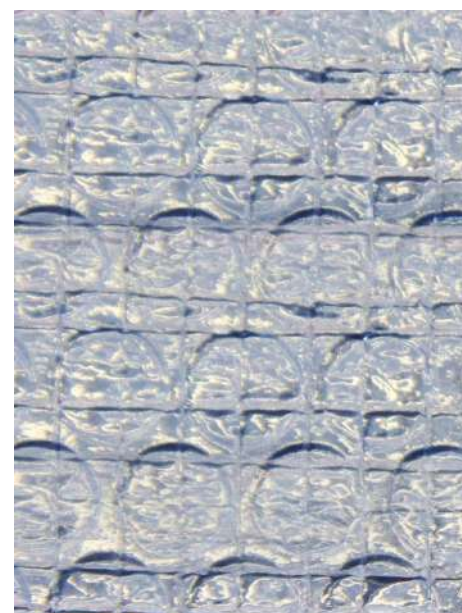
THERMAL REFLECTIVE INSULATION

## CPM5 NET (TRIPLEX FR NET)



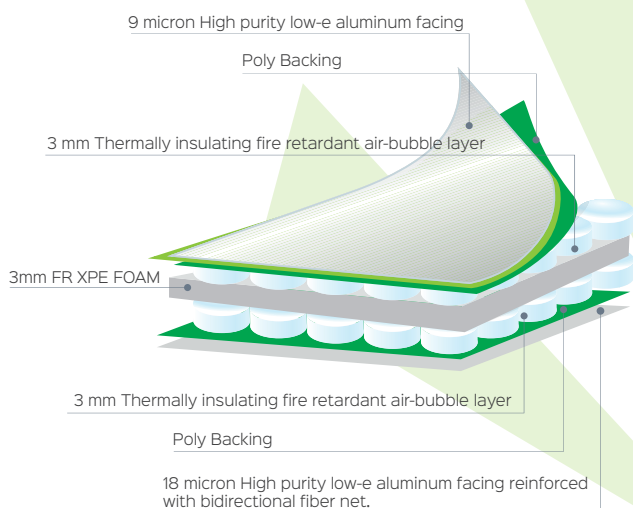
Extra Heavy Duty

Roll Size : 1.2m (W) x 30m (L) x 9mm (T)  
 Coverage : Coverage 36m<sup>2</sup> / 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.

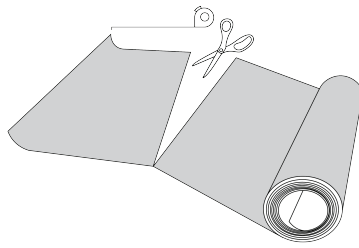
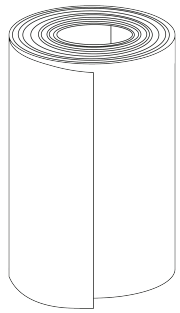
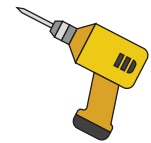


**Energy Saving, Cost Saving**  
 Reduces cost of energy consumption on thermal comfort such as air-conditioning.

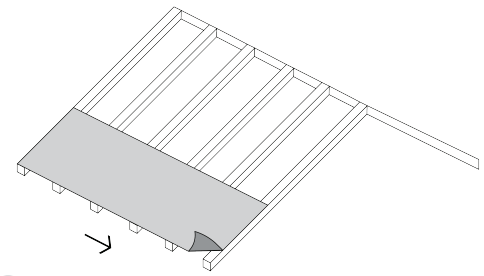


# Installation Guide

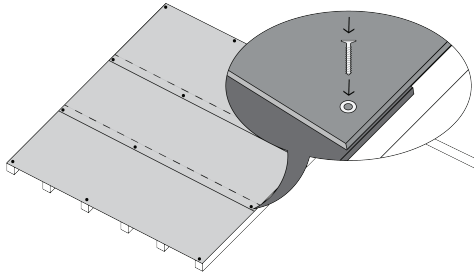
## For Roof Tiles



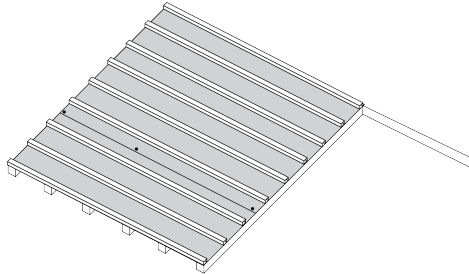
1 Unroll the COOLMAX foil and cut the length required.



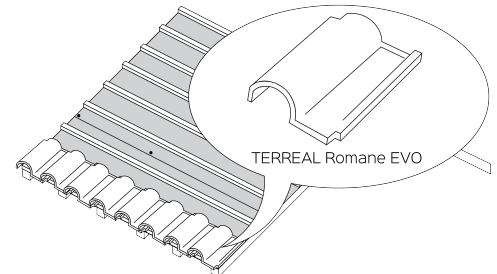
2 Starting from the rafter edge, lay the COOLMAX foil across.



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
<b>Fire Hazard Properties according to AS/NZ 1530 part 3, 1999</b>		<b>PASS</b>
<b>Mean Ignition Time</b>	<b>Seconds</b>	<b>0</b>
<b>Mean flame propagation time</b>	<b>Seconds</b>	<b>0</b>
<b>Mean heat release integral</b>	<b>Kj/m2</b>	<b>0</b>
<b>Mean smoke release</b>	<b>Density/m</b>	<b>0.006</b>
<b>MS2095:2014 (SIRIM)</b>		
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



**TERREAL**  
Building Beauty



**TERREAL MALAYSIA SDN BHD** (202237-P)  
NO. 39 & 41-1, Jalan TPK 2/8, Taman Perindustrian Kinrara,  
Seksyen 2, 47180 Puchong, Selangor Darul Ehsan.  
T - (603) 8075 4010 / 4020 / 4060 F - (603) 8075 1090  
E - contact@terreal.com.my [www.terreal.com.my](http://www.terreal.com.my)



Scan with your smartphone to visit our website!