

TERREAL **CoolMax**

Thermal Reflective Insulation

The Secret To
Comfortable Homes

CLAY ROOF TILES & WALL CLADDINGS

TERREAL
TERRACOTTA

Stay Cool &
Save Money



TERREAL CoolMax

The superior foil that meet your needs for an effective and cost efficient thermal protection.

CoolMax Foil [CF2]

Five layer laminate made up of a double sided reflective material (Aluminium and Metalized) bonded to reinforce high density polyethylene woven fabric with special bonding material.

Roll Size | 1.25m (W) x 48m (L)
Coverage | 60 m²

CoolMax Foil One [CF1]

Three layers laminate made up of a single sided reflective aluminium bonded to reinforce high density polyethylene woven fabric with special bonding material.

Roll Size | 1.25m (W) x 48m (L)
Coverage | 60 m²

Technical Data

Characteristic			Test Method	Unit (SI)	CF2	CF1
Film Specification	Thickness	Aluminium Foil MPET	Supplier Product Specification Sheet	μ	6 - 7 12 ± 5%	6 - 7
	Emissivity	Aluminium Foil MPET	ASTM E 408	Index	≤ 0.05 ≤ 0.45	≤ 0.05
	Reflectivity	Aluminium Foil MPET	-	%	95	95
Laminated Roll Specifications	Construction		-	TPI	8 x 8	8 x 8
	Width		In-house	mm	Nominal ± 5	Nominal ± 5
	Length		In-house	m	Nominal ± 1%	Nominal ± 1%
	Thickness		PRC TM 006/94	μ	140 ± 20	100 ± 20
	Grammage		PRC TM 007/94	g/m ²	150 ± 10	100 ± 10
	Tensile Strength	MD CD	PRC TM 002/01	N/50mm	650 - 750 600 - 700	550 - 650 500 - 600
	Elongation	MD CD	PRC TM 002/01	%	20 - 25 15 - 20	15 - 20 15 - 20
	Water Vapour Transmission Rate		ASTM F 1249	g/m ² /day	0.05 - 0.10	0.05 - 0.10
	Initial Tear Resistance	MD CD	ASTM D 1004	N	35 - 45 35 - 45	30 - 40 20 - 30
	Tear Propagation	MD CD	DIN 53363	N/mm	300 - 400 200 - 300	1200 - 1400 1200 - 1400
	Aluminium Adhesion Strength	MD CD	In-house	N/25mm	≥ 4.0 ≥ 4.0	≥ 4.0 ≥ 4.0
	MPET Bond Strength	MD	In-house	N/50mm	≥ 4.0	

* The above technical data are subject to change without prior notice.



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