

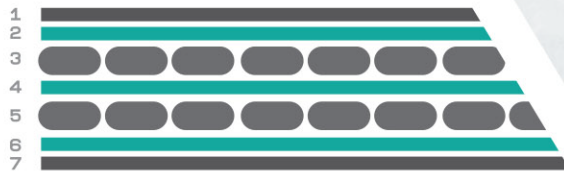
Grande

Product Information

Polyshield Grande is an excellent reflective insulation solution constructed of two high performing, high reflective pure aluminum foils (optional reinforced net) and double bubbles (4.00mm x 2) for optional heat and noise reduction. A fire-retardant formulated bubble is optional. The aluminum foils come with 3% emissivity (tested to ASTM standards) and 97% reflectivity, for an effective reduction of radiant heat. The double bubbles, which is made of two bubbles cushions, provide excellent barrier to conduction and convection heat, as well as an improved noise reduction cushion.

Structure of Insulation

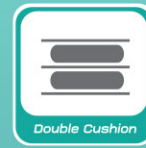
A double-sided aluminum foils and double layered bubbles for twice the strength and efficiency; it is the ultimate solution for residential, industrial, and livestock applications.



- 1 High purely low-e aluminum facing
- 2 Poly Backing
- 3 8.00 mm Thermally insulating air-bubble layer
- 4 Poly Backing
- 5 8.00 mm Thermally insulating air-bubble layer
- 6 Poly backing
- 7 High purely low-e aluminum facing

OPTIONS

- Fire Retardant
- Reinforced Net
- Heavy Duty
- Anti-Scratch
- BS476 Part 6 Class 0
- AS/NZS 1530.2
- SIRIM / CIBD Approved
- Double Cushion



97%

UPTO

REFLECT 97% OF RADIANT HEAT (SILVER SIDE)



Example of Polyshield Grande Thermal Performance

The R values shown are based on average roof profile with average of 30-50mm top air gap

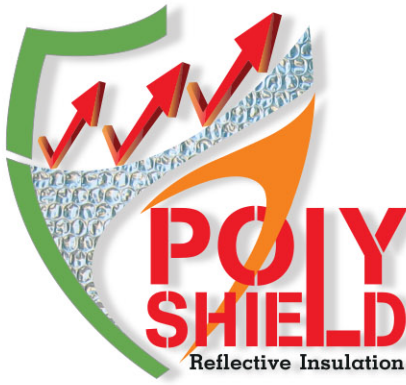
	Unit	
	M ² x C/W	Btu x in / (hr x ft ² x F)
Residential Roof		
- Tiles	3.13	17.87
- Metal	3.57	20.38
Metal Commercial Roof		
- Low Pitch with ceiling	3.96	22.61
- Low Pitch without ceiling	2.58	14.75
Concrete Commercial Roof		
- Low Pitch with ceiling	3.90	22.26
- Low Pitch without ceiling	2.58	14.73

The values shown here are based on the system R value.

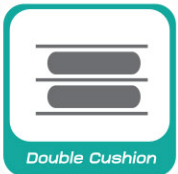
Polyshield Grande Specifications :

Thickness (nominal)	mm	± 9.0
Bubbles Diameter	mm	10
Emissance (ASTM)	%	3 to 5
Reflectivity (ASTM)	%	95 to 97
Foil Thickness	μ	7 to 20
Foil Purity	%	>99
Weight (nominal)	gsm/m ²	± 360
Standard Roll Size	m x m	1.20 m x 30 m
Effective Coverage	m ²	36
Standard Roll Weight (Gross)	kg	± 12.96 kg
Roll Diameter	mm	± 640

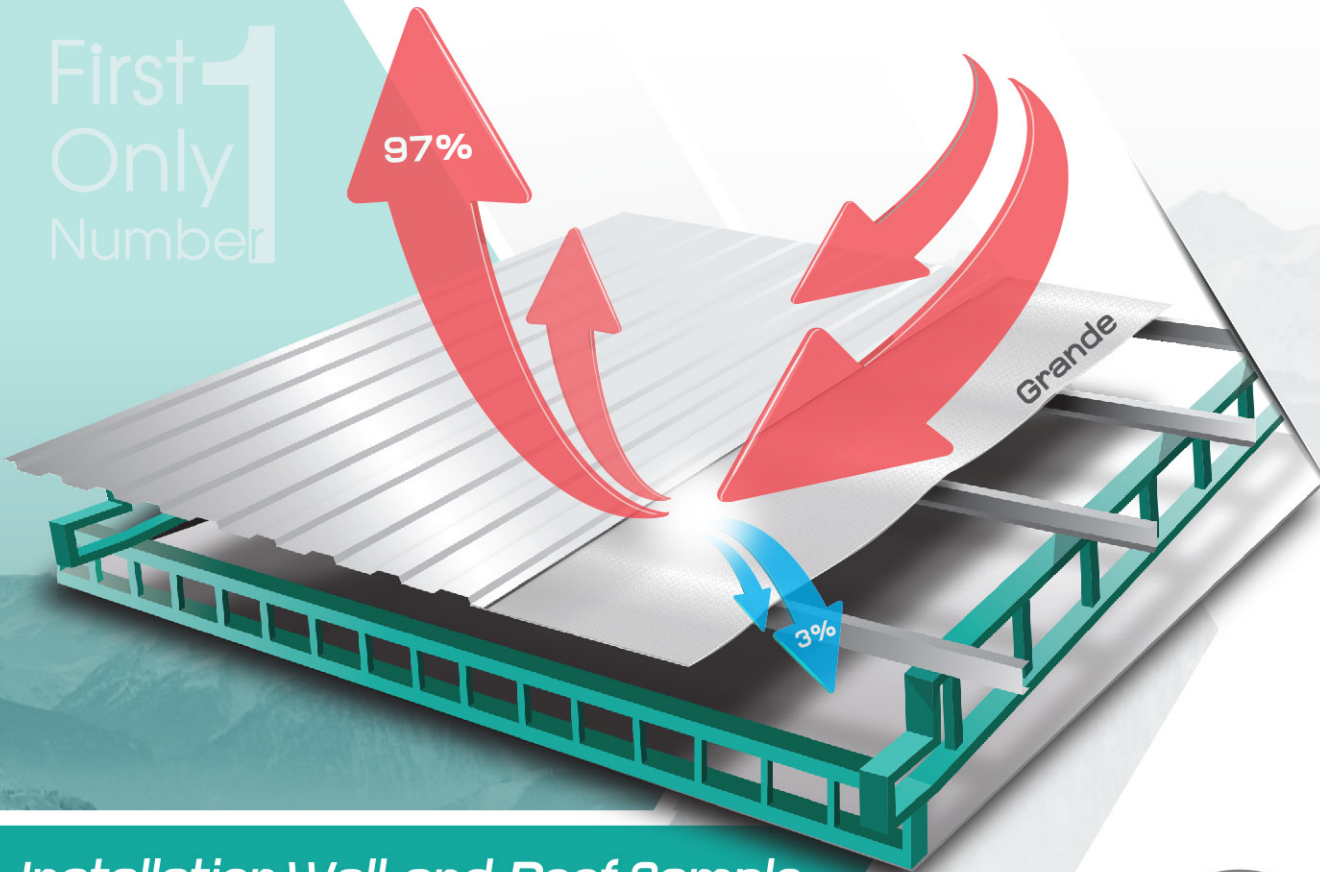
Reflective insulation solution you trust



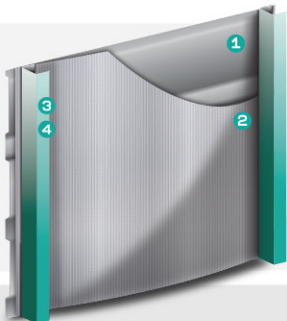
Grande



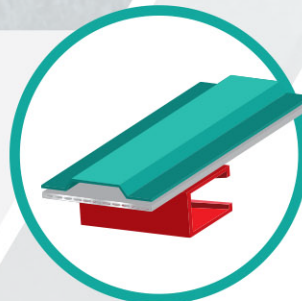
First
Only
Number 1



Installation Wall and Roof Sample



- 1 External metal cladding
- 2 Insulation
- 3 Steel portal frame
- 4 100 mm deep sheeting rails at 600 mm centres



97%

UP TO

REFLECT 97% OF RADIANT HEAT (SILVER SIDE)



PRODUCT OPTIONS

Product Options

Front	Back
<input type="checkbox"/> NET copper	<input type="checkbox"/> NET copper
<input type="checkbox"/> NET silver	<input type="checkbox"/> NET silver
<input type="checkbox"/> FR	<input type="checkbox"/> FR
<input type="checkbox"/> Anti Scratch	<input type="checkbox"/> Anti Scratch
<input type="checkbox"/> Extra Heavy Duty Aluminum Foil	<input type="checkbox"/> Extra Heavy Duty Aluminum Foil
<input type="checkbox"/> White finish	<input type="checkbox"/> White finish