

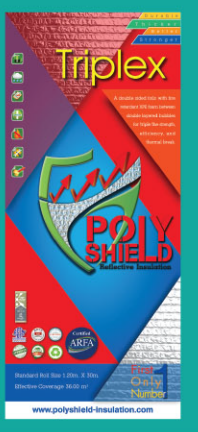
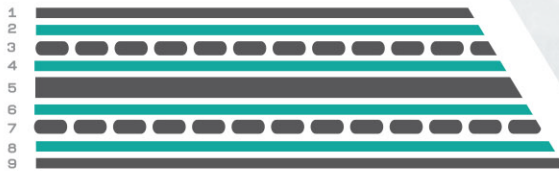
# Triplex

## Product Information

Polyshield Triplex is constructed of double sided highly reflective aluminum foils with fire retardant XPE foam between double layered thermally insulating fire-retardant bubbles (minimum 3.0mm x 2) for triple the protection in strength, efficiency, and thermal break, which minimize heat gain or loss via thermal bridges. The aluminum foils come with 3% emissivity (tested to ASTM standards) and 97% reflectivity for an effective reduction of radiant heat. The multi layered insulation is the perfect solution for residential, industrial, logistics and livestock application.

### Structure of Insulation

A double-sided foil with fire retardant XPE foam between double layered bubbles for triple the strength efficiency, and thermal break.



- 1 Highly purely low-e aluminum facing
- 2 Poly Backing
- 3 3.00 mm. thermally insulating fire retardant air bubble layer
- 4 Poly backing
- 5 XPE Class 0 fire retardant air-bubble layer
- 6 Poly backing
- 7 3.00 mm. thermally insulating fire retardant air bubble layer
- 8 Poly backing
- 9 Highly purely low-e aluminum facing

### OPTIONS

- Reinforced Net
- Heavy Duty
- Anti-Scratch
- Thermal break
- BS476 Part 6 Class 0
- AS/NZS 1530.2
- SIRIM / CIBD Approved



# 97%

UPTO

REFLECT 97% OF RADIANT HEAT (SILVER SIDE)



### Example of Polyshield Triplex Thermal Performance

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

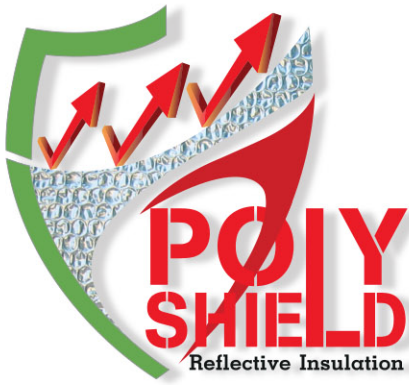
	Unit	
	M <sup>2</sup> x C/W	Btu x in / (hr x ft <sup>2</sup> x F)
<b>Residential Roof</b>		
- Tiles	3.10	17.67
- Metal	3.50	19.95
<b>Metal Commercial Roof</b>		
- Low Pitch with ceiling	3.70	21.09
- Low Pitch without ceiling	2.50	13.80
<b>Concrete Commercial Roof</b>		
- Low Pitch with ceiling	3.80	21.66
- Low Pitch without ceiling	2.60	14.82

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

### Polyshield Triplex Specifications:

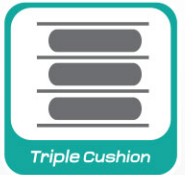
Thickness (nominal)	mm	9 to 12
Bubbles Diameter	mm	2 x 9/10
Emissance (ASTM)	%	3 to 5
Reflectivity (ASTM)	%	95 to 97
Foil Thickness	μ	7 to 20
Foil Purity	%	>99
Weight (nominal)	gsm/m <sup>2</sup>	380 to 450
Standard Roll Size	m x m	1.20 m. X 30 m.
Effective Coverage	m <sup>2</sup>	36
Standard Roll Weight (Gross)	kg	± 13.60 to 16.20 kg
Roll Diameter	mm	550 to 730

Reflective insulation solution you trust

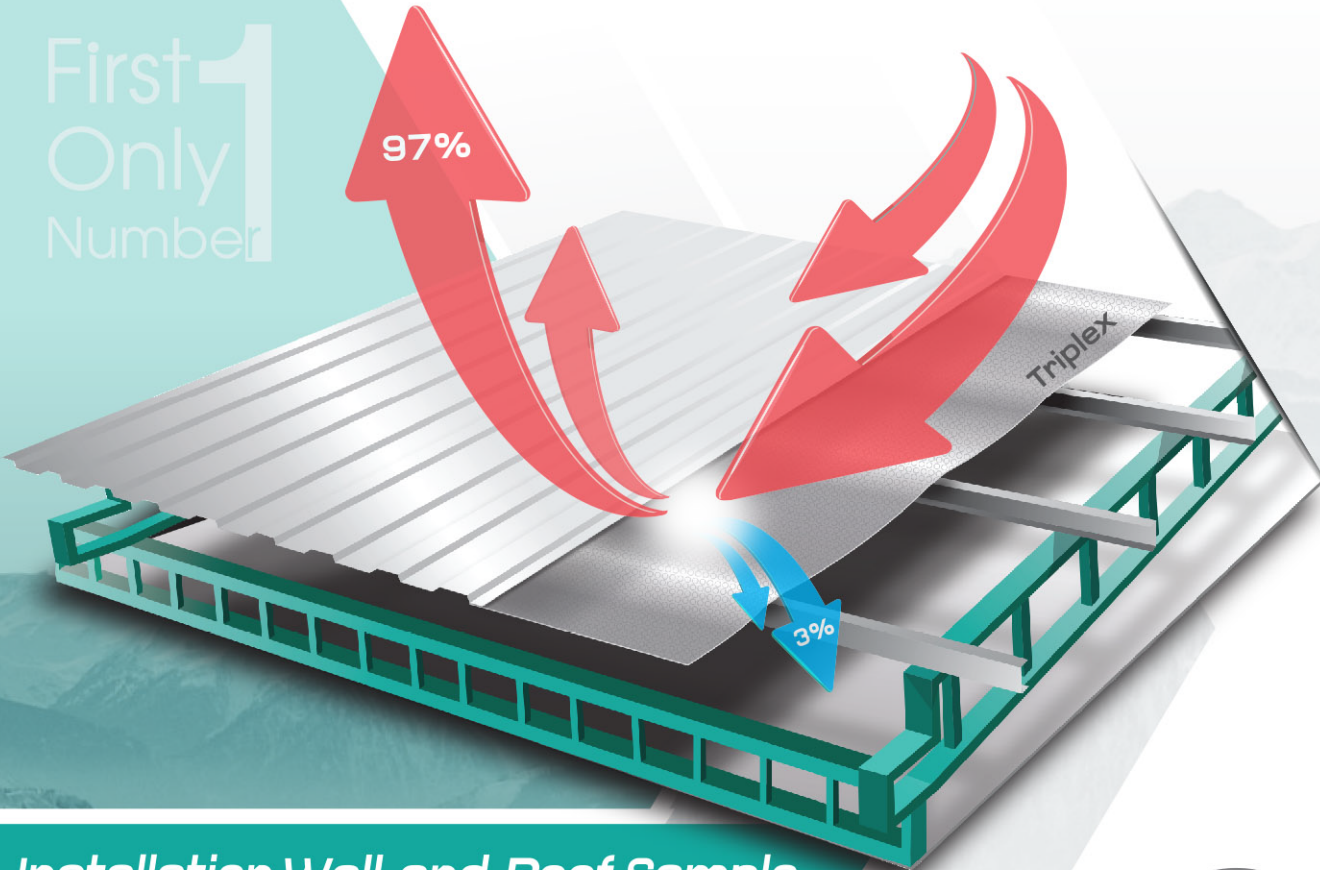


# Triplex

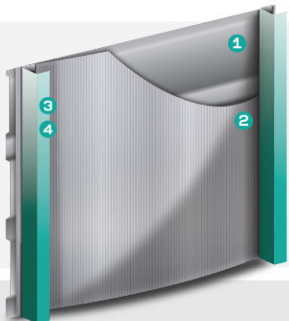
Thermal Break



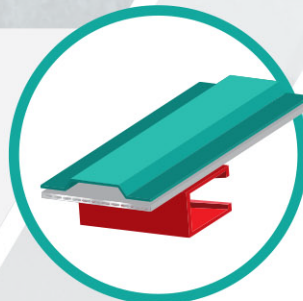
First  
Only  
Number



## 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 checked="" type="checkbox"/> FR	<input checked="" type="checkbox"/> FR
<input type="checkbox"/> SA	<input type="checkbox"/> SA
<input checked="" type="checkbox"/> Anti Scratch	<input checked="" type="checkbox"/> Anti Scratch
<input type="checkbox"/> Anti Glare	<input type="checkbox"/> Anti Glare
<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