

Product Information

Polyshield Advance 40+ is a double sided superior reflective insulation made of two pure aluminum foils with one white facing foil, covering white Flame Stop 4.5 mm bubbles (10 mm diameter), the silver aluminum foil comes with 3% emissivity (tested to ASTM standards) and 97% reflectivity for an effective reduction of radiant heat. The 4.50 mm bubbles perform as a barrier to conduction and convection heat, as well as noise reduction cushion.

Advance 40+

Structure of Insulation

A double sided high performing reflective insulation made of two pure aluminum foils covering white Flame Stop 4.50 mm height strong air bubbles.



- 1 High purely low - e aluminum facing
- 2 Poly Backing
- 3 4.50 mm Thermally insulating fire retardant air-bubble layer
- 4 Poly Backing
- 5 white aluminum foil facing

OPTIONS

- Reinforced Net - BS476 Part 6 Class 0
- Heavy Duty - SIRIM / CIBD Approved
- Anti-Scratch - White finish



97%

UPTO

REFLECT 97% OF RADIANT HEAT (SILVER SIDE)



Example of Polyshield Advance 40+ Thermal Performance

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

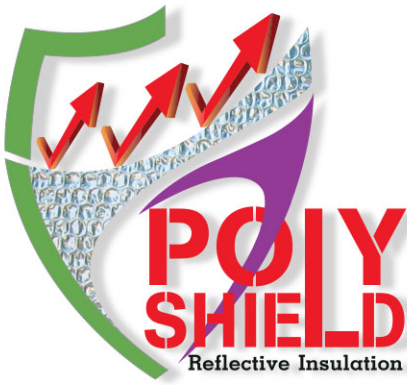
	Unit	
	M ² x C/W	Btu x in / (hr x ft ² x F)
Residential Roof		
- Tiles	2.60	15.20
- Metal	2.90	17.00
Metal Commercial Roof		
- Low Pitch with ceiling	3.10	18.14
- Low Pitch without ceiling	2.90	11.30
Concrete Commercial Roof		
- Low Pitch with ceiling	3.20	18.71
- Low Pitch without ceiling	2.00	11.87

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

Polyshield Advance 40+ Specifications:

Thickness (nominal)	mm	± 4.5
Bubbles Diameter	mm	10
Emittance (ASTM)	%	3 to 5
Reflectivity (ASTM)	%	95 to 97
Foil Thickness	μ	7 to 20
Foil Purity	%	>99
Weight (nominal)	gsm/m ²	± 270
Standard Roll Size	m x m	1.20 m x 50 m
Effective Coverage	m ²	60
Standard Roll Weight (Gross)	kg	± 15.00 kg
Roll Diameter	mm	± 550

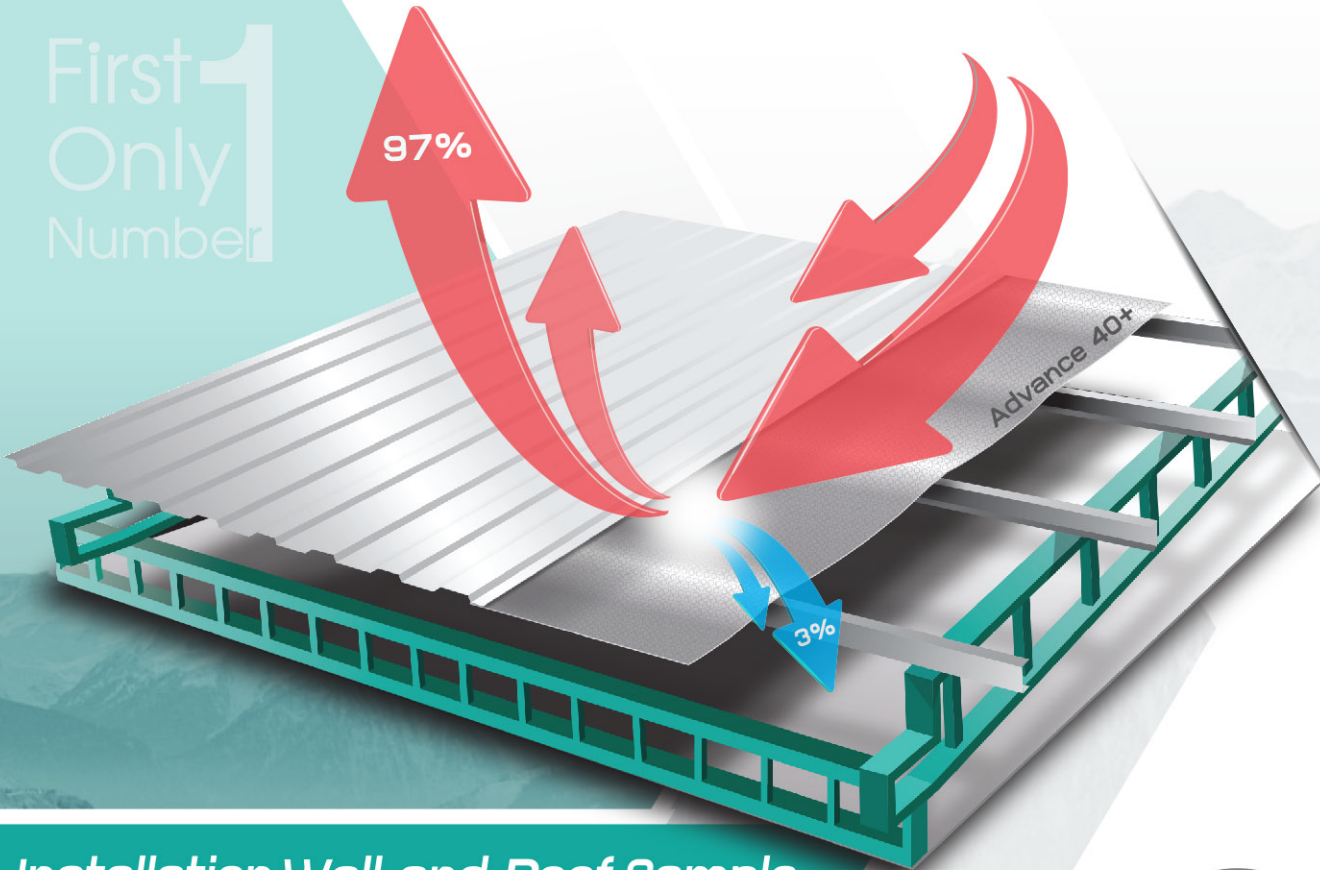
Reflective insulation solution you trust



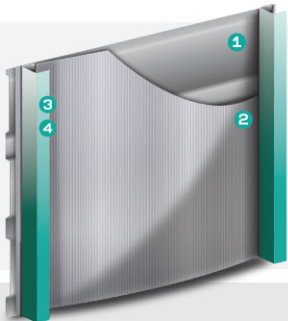
Advance 40+



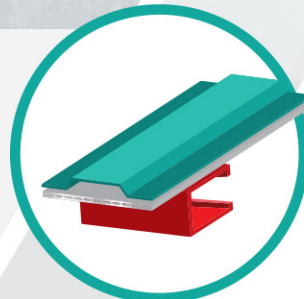
First
Only
Number



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 type="checkbox"/> FR	<input type="checkbox"/> FR
<input type="checkbox"/> Anti Scratch	<input 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 checked="" type="checkbox"/> White finish	<input checked="" type="checkbox"/> White finish