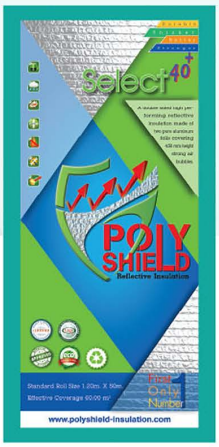
Product Information

Polyshield Select 40/ECO or Select 40+ is a double sided superior reflective insulation made of two pure aluminum foils (optional reinforced net) covering white or clear 4.00 mm to 5.00 mm bubbles (10 mm diameter). Both aluminum foils come with 3% emissivity (tested to ASTM standards) and 97% reflectivity, for an effective reduction of radiant heat. The bubbles perform as a barrier to conduction and convection heat, as well as noise reduction cushion.

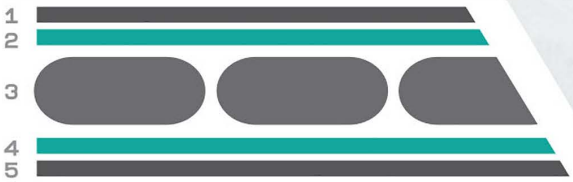
POLY SHIELD Reflective Insulation

Select 40/ECO 40+



Structure of Insulation

An economical solution with double sided high performing reflective insulation made of two pure aluminum foils covering 4.00 mm to 5.00 mm height strong air bubbles.



1. High purely low - e aluminum facing
2. Poly backing
3. 4.0 mm to 5.00 mm Thermally insulating air-bubble layer
4. Poly backing
5. High purely low-e aluminum facing

SAVE WORLD TOGETHER

NO ASBESTOS

97%

UP TO REFLECT 97% OF RADIANT HEAT (SILVER SIDE)

OPTIONS	ECO	Select 40	Select 40+
Fire Retardant	✓	✓	✓
Reinforced Net	–	✓	✓
Heavy Duty Formulated	–	–	✓
Anti Scratch	–	✓	✓
BS 476 PART 6 class o	–	✓	✓
AS/NZS 1530.2	–	–	✓
Sirim/CIBD approval	–	–	✓

SAFETY EASY

Example of Polyshield Select 40/40+/ ECO Thermal Performance
The R values shown are based on average roof profile with average of 30-50mm top air gap

Residential Roof	Unit	
	M^2 x C/W	Btu x in / (hr x ft^2 x F)
- Tiles	2.70	15.39
- Metal	3.00	17.10
Metal Commercial Roof		
- Low Pitch with ceiling	3.20	18.24
- Low Pitch without ceiling	2.00	11.40
Concrete Commercial Roof		
- Low Pitch with ceiling	3.30	18.81
- Low Pitch without ceiling	2.10	11.97

Select 40/ECO 40+

The values shown here are based on the system R value

Polyshield ECO / Select 40 / Select 40+ Specifications:

		Select 40/ECO	Select 40+
Thickness (nominal)	mm	± 4.0	± 5.0
Bubbles Diameter	mm	10	10
Emittance (ASTM)	%	3 to 5	3 to 5
Reflectivity (ASTM)	%	95 to 97	95 to 97
Foil Thickness	µ	7 to 20	7 to 20
Foil Purity	%	>99	>99
Weight (nominal)	gsm/m2	±260	±270
Standard Roll Size	m x m	1.20 m x 50 m	1.20 m x 50/60 m
Effective Coverage	m2	60	60/72
Standard Roll Weight (Gross)	kg	± 15.50 kg	±16.0 kg/18.70 kg
Roll Diameter	mm	± 550	± 600/650

Reflective insulation solution you trust

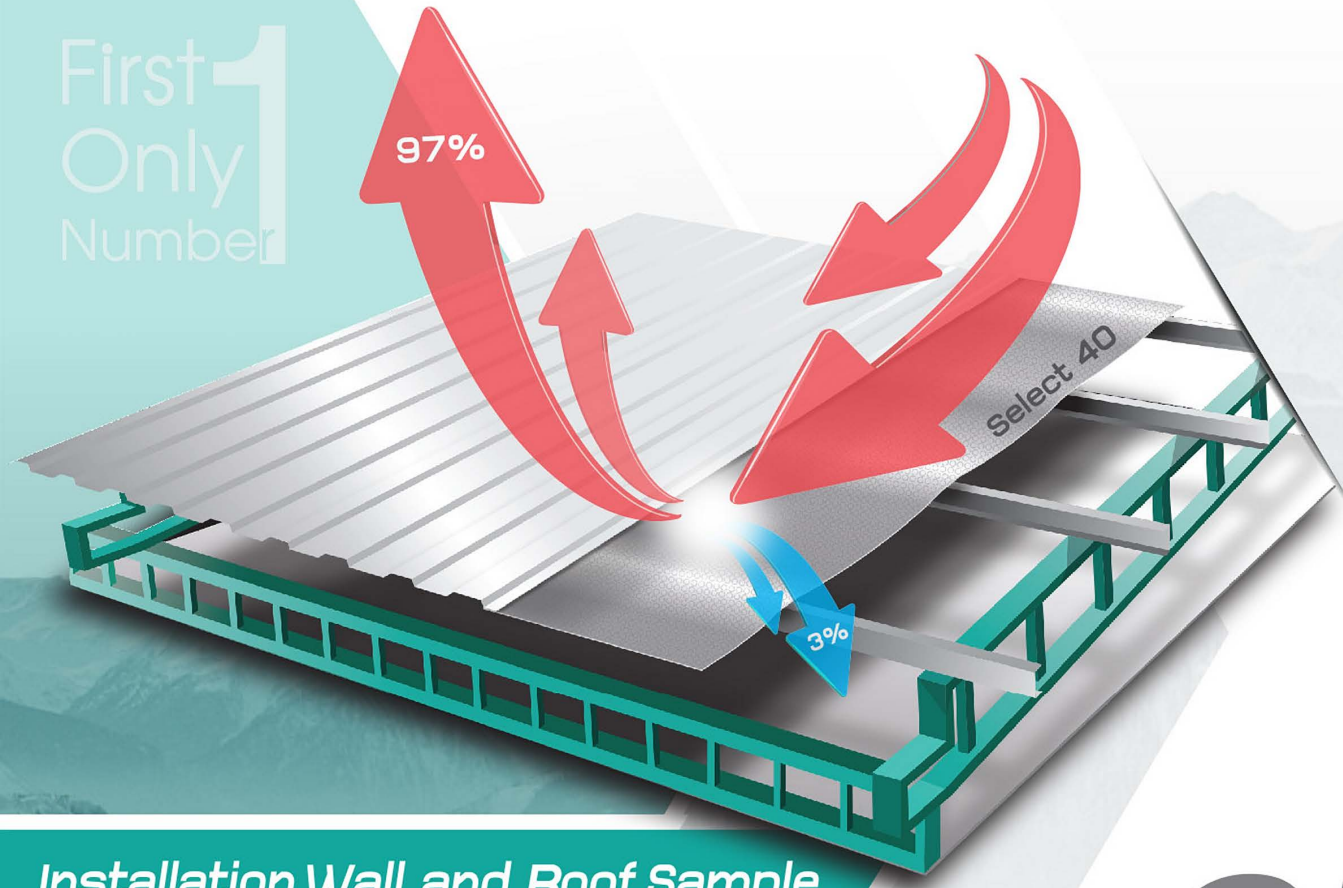
POLY SHIELD
Reflective Insulation

Select

- ☐ ECO
- ☒ 40
- ☐ 40+

POLY Protech

First Only Number 1



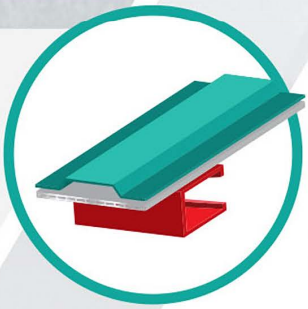
BEST – SELLES –

SAVE WORLD TOGETHER

NO ASBESTOS

Installation Wall and Roof Sample

1. External metal clding
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)

SAFETY · EASY

PRODUCT OPTIONS

Product Options	
Front	Back
☐ NET copper	☐ NET copper
☐ NET silver	☐ NET silver
☐ FR	☐ FR
☐ Anti Scratch	☐ Anti Scratch
☐ Anti Glare	☐ Anti Glare
☐ Extra Heavy Duty Aluminum Foil	☐ Extra Heavy Duty Aluminum Foil