

# RJ24

By POLYX Insulation

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**95-97%**

UP TO

REFLECT 95-97% OF  
RADIANT HEAT (SILVER SIDE)



*Fire Retardant Formulated*



*Reinforced Netting*



*Heavy Duty Aluminum Foil*



*Anti Scratch Layer*

[www.Polyx.com.au](http://www.Polyx.com.au)

# PU24

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## Your reflective insulation



# 95-97%

UP TO

REFLECT 95-97% OF RADIANT HEAT (SILVER SIDE)

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PU24 complies to Australian insulation standards and requirements

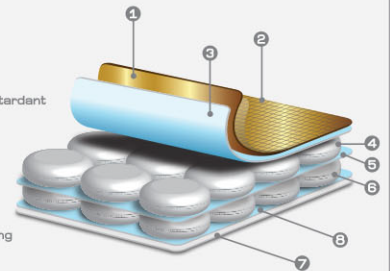


Anti-Glare side emittance 0.05

Silver Side emittance 0.03

A special low-e copper color anti-glare with reinforced net for extra strength covering 16.0 mm height heavy duty air bubbles

- 1 Low E aluminum copper Foil facing
- 2 Foil Net reinforcement
- 3 Poly backing
- 4 8 mm Thermally insulating fire retardant air bubble layer
- 5 A premium aluminum foil
- 6 8 mm Thermally insulating fire retardant air bubble layer
- 7 Poly backing
- 8 Highly purity low-e aluminum facing

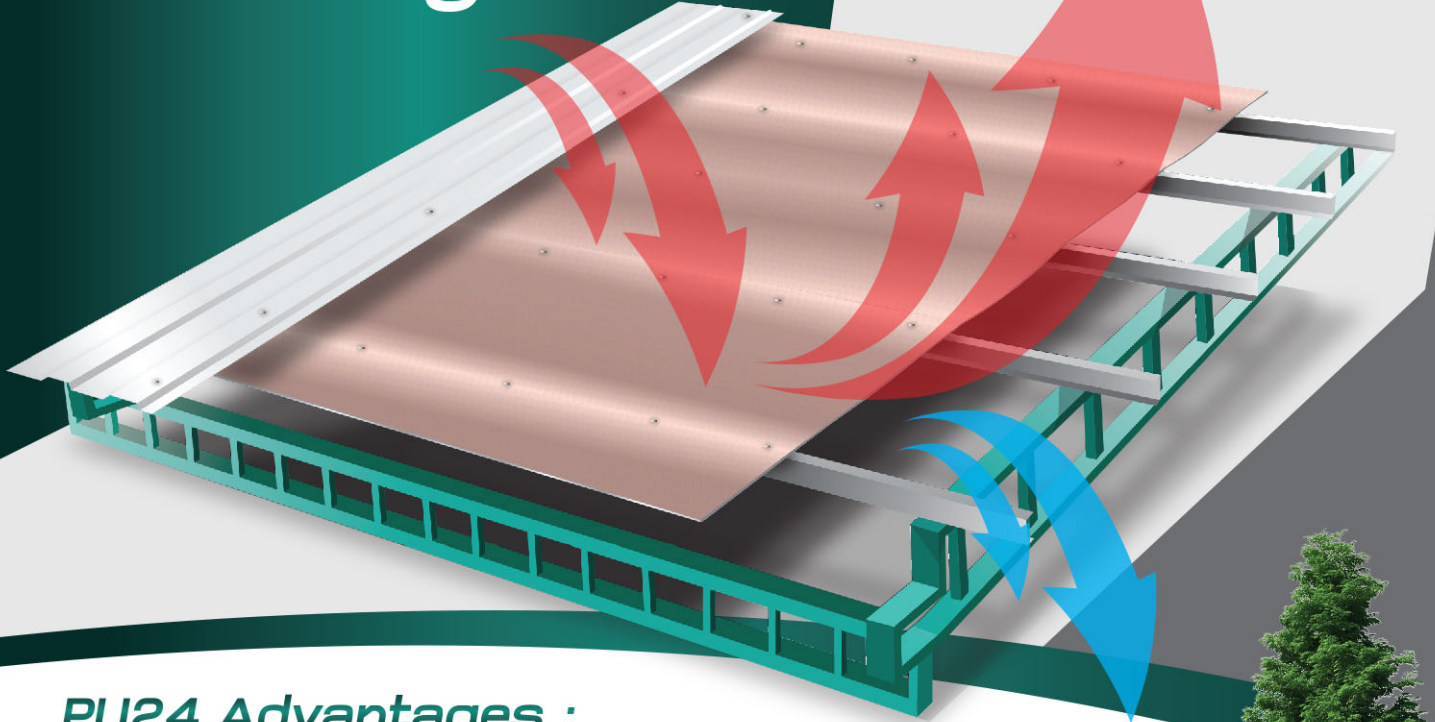


Preference:	Reduces up to 95-97% of radiant heat <b>gain</b> in summer, reduces heat <b>loss</b> in winter
Cost Efficiency:	Competitive price and long-lasting performances
Safety:	Exceptional fire safety qualities including safe fire-retardant additives and non-dripping technology
Easy to Install:	Quick and easy installation with 15 ★ years product warranty
★ ( For full warranty cover ) please check with your supplier.	

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## Advantages



### PU24 Advantages :

- ✓ Special high-performance copper color anti-glare with reinforcing net for extra strength
- ✓ Advanced high R-Value performance reflecting up to 95-97% of radiant heat flow
- ✓ Significantly, lowers the use of mechanical cooling and heating in buildings
- ✓ Reduces handling, storage and transport cost
- ✓ Glue free manufacturing process, avoiding ozone depleting substances, certified by Ecospecifier
- ✓ Delivers easy, cost effective BCA Section J solution for roofs, ceilings, walls and floors
- ✓ Exceptional fire safety qualities including safe fire-retardant additives and non-dripping technology
- ✓ Endorsed by Asian Reflective Foil Association (ARFA)
- ✓ Designed to comply with thermal break insulation requirements
- ✓ Highest internal reflective value among reflective insulation products

### Poly X PU 24 Specifications:

Thickness (nominal)	mm	± 16
Bubbles Diameter	mm	30
Emittance (ASTM)	%	3 to 5
Reflectivity (ASTM)	%	95 to 97
Foil Thickness	μ	9/18
Foil Purity	%	>99
Weight (nominal)	gsm/m2	600 ± 5%
Standard Roll Size	m x m	1.20 m. x 20 m.
Effective Coverage	m2	24
Standard Roll Weight (Gross)	kg	15 Kg
Roll Diameter	mm	650 ± 5%



### International Accreditation



VERIFIED PRODUCT  
FIND US ON





Standard	Property	Result
ASTME 408	Foil Emittance	Anti-Glare Side 0.05
ASTME 408		Silver Side 0.03
AS/NZS 4201.1	Resistance to Dry Delamination	Pass
AS/NZS 4201.2	Resistance To Wet Delamination	Pass
AS/NZS 4201.3	Pliable Building Membranes and Underlays-Shrinkage	<0.5%
AS 1301.448s-2019	Tensile Strength	Medium Duty
AS/NZS 4200.1-2017	Edge Tear Resistance	Extra Heavy Duty
ASTM E96-2016	Water Vapour Transmission	Class 1
AS/NZS 3100	Surface Resistance	Electrically Conductive
ASTM C518	Thermal Resistance	0.412 m2 K/W
AS 1530.2	Flamability Index	4

### Thermal Performance

Outdoor Temperature	12°C	36°C
<b>Roof System</b>	<b>Heat Flow Up</b>	<b>Heat Flow Down</b>
Metal Roof (combo with R2.5 ceiling batts) 22°pitch, naturally ventilated, flat ceiling	R <sub>f</sub> 3.9	R <sub>f</sub> 5.2
Metal Roof 22°pitch, naturally ventilated, flat ceiling	R <sub>f</sub> 1.2	R <sub>f</sub> 2.7
Tiled Roof 22°pitch, naturally ventilated, flat ceiling	R <sub>f</sub> 1.0	R <sub>f</sub> 2.2
Metal Roof (Warehouse/Shed) 1° to 5° pitch, no ceiling	R <sub>f</sub> 0.9	R <sub>f</sub> 1.9
<b>Wall System</b>	<b>Heat Flow Out</b>	<b>Heat Flow In</b>
Brick Veneer Wall With internal lining	R <sub>f</sub> 2.1	R <sub>f</sub> 1.9
Double Cavity Wall With internal lining (cavity application)	R <sub>f</sub> 2.3	R <sub>f</sub> 2.0
<b>Floor System</b>	<b>Heat Flow Down</b>	<b>Heat Flow Up</b>
Framed Floor With subfloor perimeter enclosed	R <sub>f</sub> 3.5	R <sub>f</sub> 2.1


The contribution of PolyX™ products to a Total R-Value depends on the installation and environmental conditions. The values shown are Total R-Values for the building system, calculated using Reflect 3 computer software validated by James M Fricker M.IEAust M.AIRCH CPEng and re based on installed product service in accordance with AS/NZS 4859.1 & 2:2018 Refer to the PolyX™ products tech manual for further details. The information in this brochure is believed to be true at the time of publication. PolyX™ reserves the right to change specifications without notice, and have no obligation of liability for the persons misrepresenting or misusing this information in any manner whatsoever.

**Insulation Compliance**



- ✓ AS / NZS 4859.1
- ✓ AS / NZS 4200.1

**Fire Compliance**



- ✓ AS 1530.2

**ISO 9001:2015-QUALITY**



Poly X Insulation is manufactured under the strict quality management system of 9001:2015

SAI GLOBAL

**Ecospecifier Global**



PU24 is registered under Polyshield insulation and it is approved by Ecospecifier Global certificate scheme

**PolyX Insulation™**

PU 24 By Poly X Phone 1300 669 285

[www.Polyx.com.au](http://www.Polyx.com.au)

Selecting Poly X insulation for your buildings with the high performance copper color antiglare and our high quality product, PU24 will ensure that it is comfortable to use all year round.