

Air Bubbles That Block Heat

INAIRFILL[™]
AIR BUBBLE INSULATION



DESIGN COMFORT INSULATION

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IN AIRFILL BUBBLE INSULATION

- Thermal Resistance PE bubble insulations are composed of either one or two layers of air bubble sandwiched between two aluminium foil.
- This insulation is rated and tested by reflectivity and emissivity. It is 96% reflective and 4% emissive, which means the product only allows 4% of radiant heat to pass through it. To put it simply, the insulation does not try to slow the way heat passes through it, the insulation tries to eliminate heat from passing through it.
- Construction of pure aluminium foil attached to fire retardant polyethylene bubble sheet using layer bonding thermal process making it free of adhesive or chemical. Bubble insulation is fiber free and block 96% of the radiated heat, that penetrates through a given structure or building.

STANDARD DIMENSIONS

Thickness (mm)	Width (m)	Length (m)
4 & 8	1.2	40

SINGLE BUBBLE INSULATION

Single bubble made of one layer of fire retardant air bubble film laminated with pure aluminium foil on both sides. Temperature Range is -50°C to 110°C.

DOUBLE BUBBLE INSULATION

Double bubble made of two layer of fire retardant air bubble film laminated with pure aluminium foil on both sides. Temperature Range -50°C to 110°C.

TECHNICAL DATA

Product Types	R-value(m2K/W)	Thermal resistance emissivity	Thickness(mm)	Temp. Range	Qty/Roll(m2/Roll)
Single Bubble Insulation	1.17	0.04-0.05	4 mm	-50°C to 110°C	48
Double Bubble Insulation	1.27	0.03-0.04	8 mm	-50°C to 110°C	48

Class "A" as per ASTM E-84, Al foil thickness: 12 microns

PACKING LIST

Product Name	Bubble Size	Dimension of Roll	Reflectivity (%)	Total Thickness (mm)
Single Bubble Insulation	(10 mm X 4 mm)x1	1.2 m x 40m	95 %	4 mm
Double Bubble Insulation	(10 mm X 4 mm)x2	1.2 m x 40m	97 %	8 mm

APPLICATIONS

- Metal Building
- Pole Barn
- Crawl Space
- Roof
- Ceiling
- Wall System
- Basement
- Garage
- Freezer
- Air-condition Pipe
- Car Panel
- Works Well In Both Extreme Cold And Hot Climate

• An extremely cost effective Thermal Insulation Material for PEB - Insulation, HVAC - Insulation, Reflective - Insulation, Building - Insulation.



Pole Barn



Metal Roofing



Container Insulation



Roof Insulation



Duct Insulation



Car Panel

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