POLY SHIELD
Reflective Insulation

FR Formulated

Product Information

Polyshield 80 LS is a leading double sided super premium reflective insulation made of two pure aluminum foils. It is constructed of reinforced net and acid proof pure acid proof aluminum foil on each side, covering fire retardant 8.00 mm bubbles (30 mm diameter). Both aluminum foils come with 3% emissivity (tested to ASTM standards) and 97% reflectivity, for an effective reduction of radiant heat. The BIG 8.00 mm bubbles provide excellent barrier to conduction and convection heat, as well as an improved noise reduction cushion.
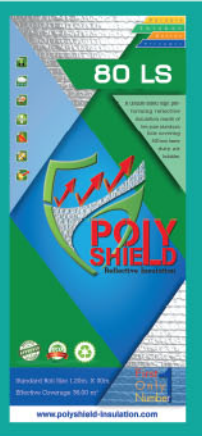
Comply With BS (British Standards) and MS (Malaysian Standards)

80 LiveStock
Class 0 FR Formulated

80 LS

Structure of Insulation

A double sided high performing reflective insulation made of two acid proof pure aluminum foils covering 8.00 mm heavy duty FR air bubbles.

Reduce mortality rate of animals

Reduce cost of Operation

NO ASBESTOS

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

MADE FOR LIVE STOCK

1. **Extra strong acid proof reinforced netting aluminum foil**
2. **Poly Backing**
3. **8.0 mm Thermally insulating air-bubble layer**
4. **Poly Backing**
5. **Acid proof pure aluminum foil**

MADE FOR LIVESTOCK

- **Effective**
- **Washable**
- **Durable**

SAFETY · · · · · EASY

Example of Polyshield 80 LS Thermal Performance			
80 LS	**Unit**		
	M² x C/W	Btu x in / (hr x ft² x F)	
Metal Commercial Roof			
- Low Pitch with ceiling	3.45	19.67	
- Low Pitch without ceiling	2.25	12.83	
Concrete Commercial Roof			
- Low Pitch with ceiling	3.55	20.24	
- Low Pitch without ceiling	2.35	13.40	

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

Polyshield 80 LS Specifications:		
Thickness (nominal)	mm	± 8.0
Bubbles Diameter	mm	30
Emittance (ASTM)	%	3 to 5
Reflectivity (ASTM)	%	95 to 97
Foil Thickness	μ	7 to 18
Foil Purity	%	>99
Weight (nominal)	gsm/m2	± 365
Standard Roll Size	m x m	1.20 m x 30 m
Effective Coverage	m2	36
Standard Roll Weight (Gross)	kg	± 13.14 kg
Roll Diameter	mm	± 500

Livestock insulation solution you trust
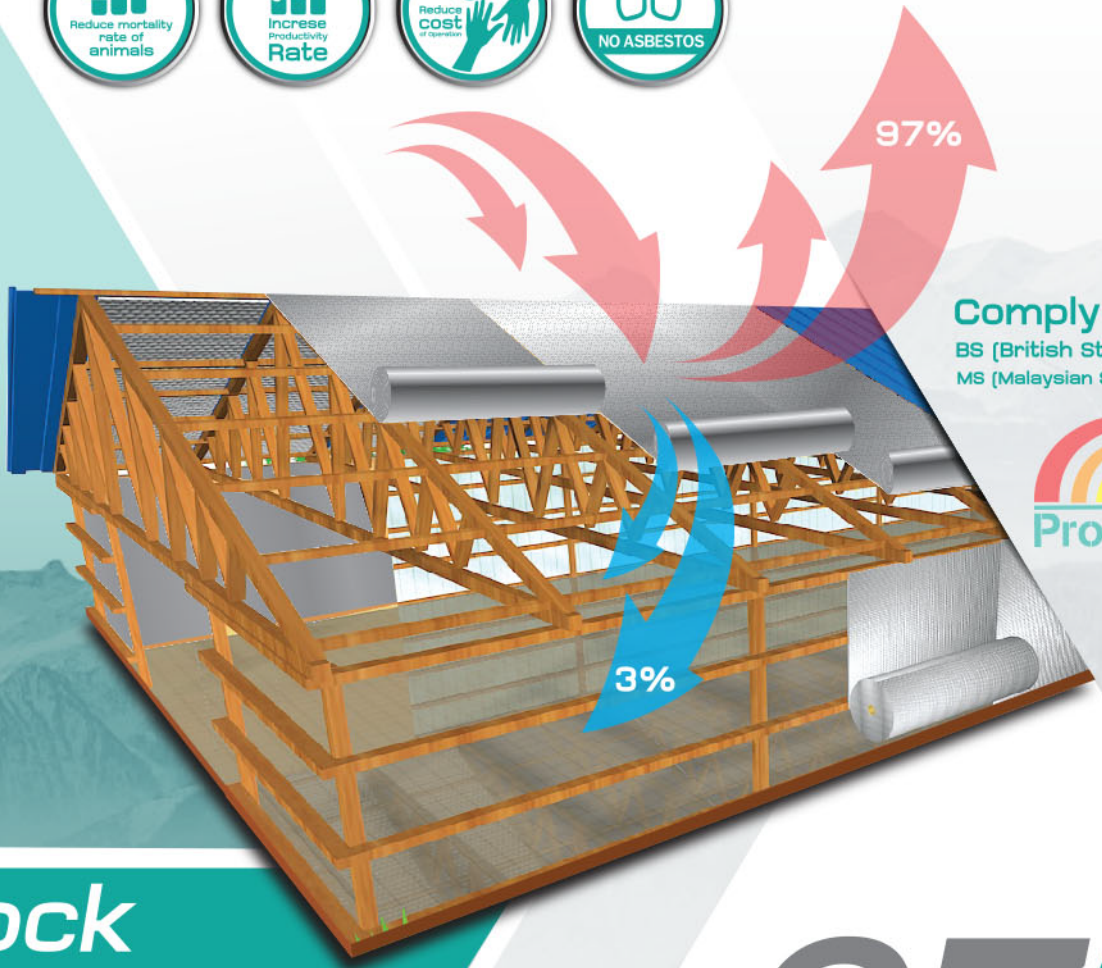### Fully certified to BS & MS standards

80 LS
www.polyshield-insulation.com
Standard Roll Size 1.20m, 8.30x
Effective Coverage 36.00 m²

POLY SHIELD
Reflective Insulation
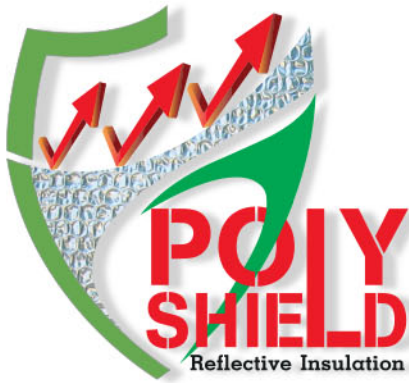
80 LiveStock
Reflect UpTo 97% of Radiant Heat!

Class 0 FR Formulated

Reduce mortality rate of animals

Increse Productivity Rate

Reduce cost of Operation

NO ASBESTOS

First 1
Only
Number

97%

Comply With
BS (British Standards)
MS (Malaysian Standards)

POLY Protech

3%

livestock

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

SAFETY | | | | EASY

FR Formulated

livestock insulation solution you trust