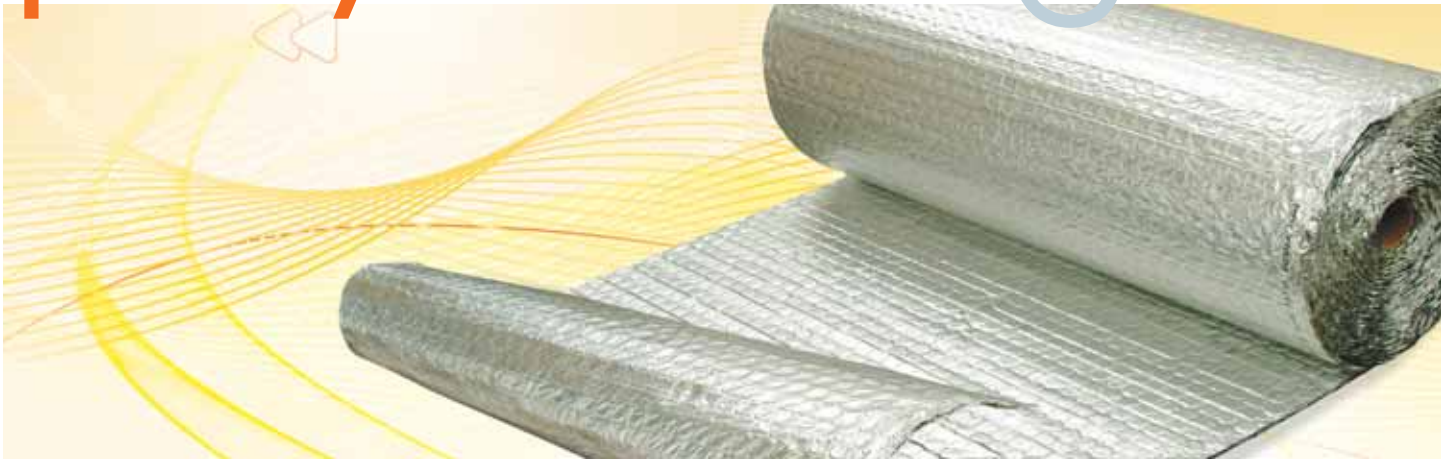


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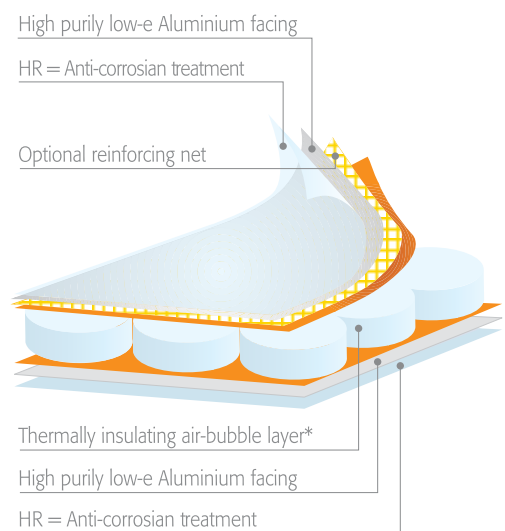
Thermal reflective insulation made of two external pure aluminum foil layers covering a single core layer of large polyethylene bubble film.

## Technical Specification

Property	Units	Dir	Value	
			Regular	Reinforce (AN)
Nominal thickness	mm		8.0	
Emmissivity (ASTM C 1371)			0.05	
Reflectivity (ASTM C 1371)			0.95	
Heat resistance (R) – under roof	m <sup>2</sup> .°C/W	Down	3.06	
Noise Reduction Coefficient (ASTM E-384)	%		55%	
Tensile strength @peak (ASTM C-1336)	g/cm-width	MD	2500	4400
		TD	2200	6000
Elongation @peak (ASTM C-1336)	%	MD	18.7	12.5
		TD	7.6	10.5
Tear strength (ASTM C-1938)	N	MD	9.6	20.0
		TD	12.1	20.0
Puncture resistance (TAPPI T 803)	Joule		3.5	7.1
Surface Flame Spread** (BS 476 :Part 7)			Class 1	
Water Vapor Transmission (ASTM E-96)	g /ft2·hr		0.018 (method A)	
Fungal Resistance Test (ASTM C 1338)			No fungal growth	
Corrosion Resistance (Internal Test)	Conc.HCl		High Resistance*	
Yield (nominal)	g/m <sup>2</sup>		225	240
Standard Roll Size	m x m		1.17x30	1.2x30
Standard Roll Weight (Gross)	kg		±7.8	±8.6

\* All products are supplied with high resistance (H.R.) treatment against corrosion as standard.  
 \*\* Tested by Warrington Fire Research Centre Ltd. U.K. (Test Report No.121611)

## Structure of insulation



\*Optional: Fire-Retardant formulated

Polynumberbig products are designed and manufactured under control of a Quality Management System, which meets the requirements of ISO 9001:2000 as certified by:



The information contained in this Technical Data Sheet is the result of extensive laboratory testing performed on our products during standard production. The values given here are typical average values and are believed to be correct to the best of our knowledge, but users should not rely on them absolutely and must confirm their validity and suitability in each particular case. Polynumberbig Industries makes no guarantee of results and assumes no obligation or liability in connection with this advice.

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