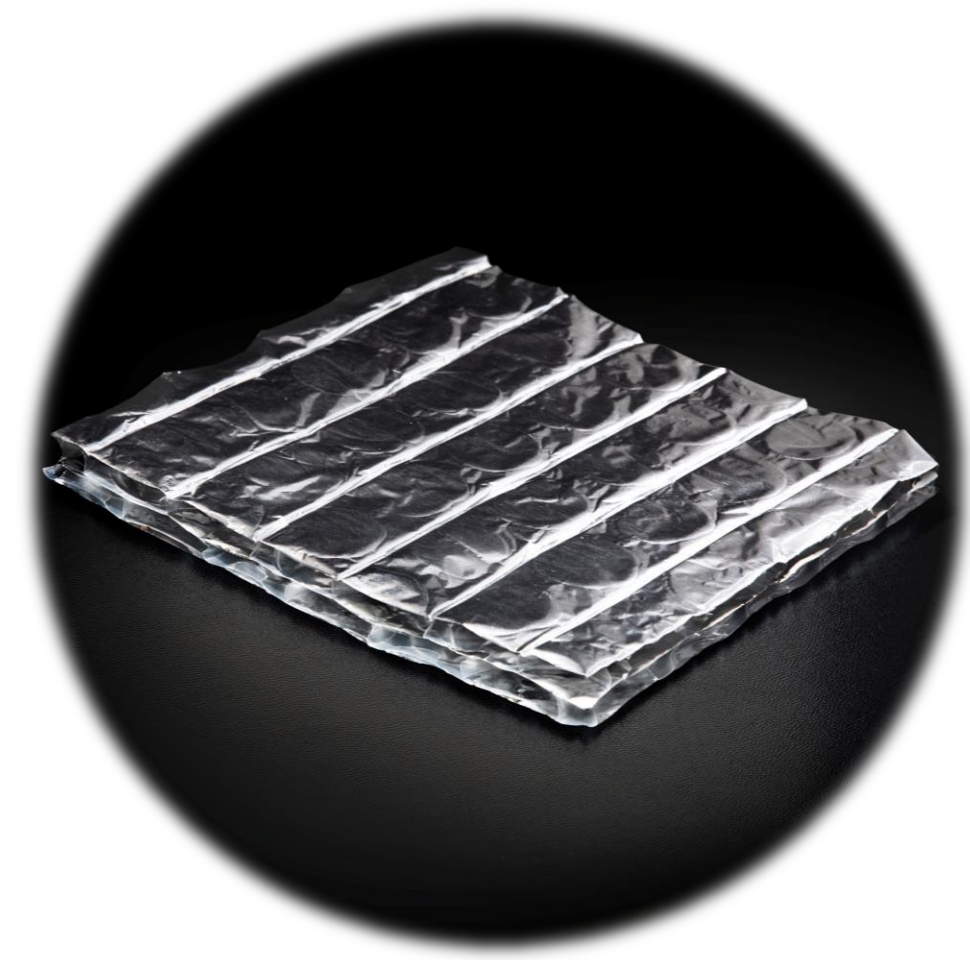




# Polynum™ ULTRA

## Insulation For Roof & Wall



**Polynum Ultra** stands out as an exceptional thermal reflective insulation product, distinguished by its innovative structure.

Crafted with a double layer of polyethylene large air cells intricately linked to three layers of pure aluminum foil, its design ensures superior thermal performance.

The abundance of low emissivity cavities offers protection against dust and excessive air movement, further enhancing its insulation capabilities. Additionally, the low emissivity external films deliver added thermal resistance when combined with air cavities. This versatile product seamlessly complements any type of insulation, making it a versatile solution for various applications.

### Optional Products:

- Fire Retardant formulated
- Reinforcing Net



Durability for Years



Reflect 97% IR



Thermal Insulation



Easy to Install



No eye& face protection required



Saving Energy



Green Building



Light weight & Thin



Against condensation  
Resistant to moisture



Property	Units	Dir	Value
Nominal thickness (EN 823)	mm		16.0 +/-5mm
Standard Roll Size	m X m		1.2m X 20m
Standard Roll Weight (Gross)	kg		9 kg
Emissivity EN 16012			0.05
Heat resistance (R)* – under roof (ASTM C 1363)	m <sup>2</sup> .°C/W	Down	3.72
Heat resistance (R)*– Industrial Commercial Roof (with ceiling)	m <sup>2</sup> .°C/W		4.9
Heat resistance (R)*– Industrial Commercial Roof (Open)	m <sup>2</sup> .°C/W		2.7
Heat resistance (R)* – under roof (ASTM C 1363)	m <sup>2</sup> .°C/W	Up	1.46
Heat resistance (R) – Concrete wall/ Plaster board	m <sup>2</sup> .°C/W		2.5
Noise Reduction Coefficient (ASTM E-384)	%		55%
Tensile strength @ peak (ASTM C-1136)	g/cm-width	MD	4200
		TD	4000
Tear strength (ASTM D-1938)	N	MD	15.0
		TD	15.0
Puncture resistance (TAPPI T 803)	Joule		4.5
Fire Safety (EN 13501)			B-s1-d0
Water Vapor Transmission (ASTM E-96- method A)	g / ft <sup>2</sup> · hr		0.018
Fungal Resistance Test (ASTM C 1338)			No fungal growth