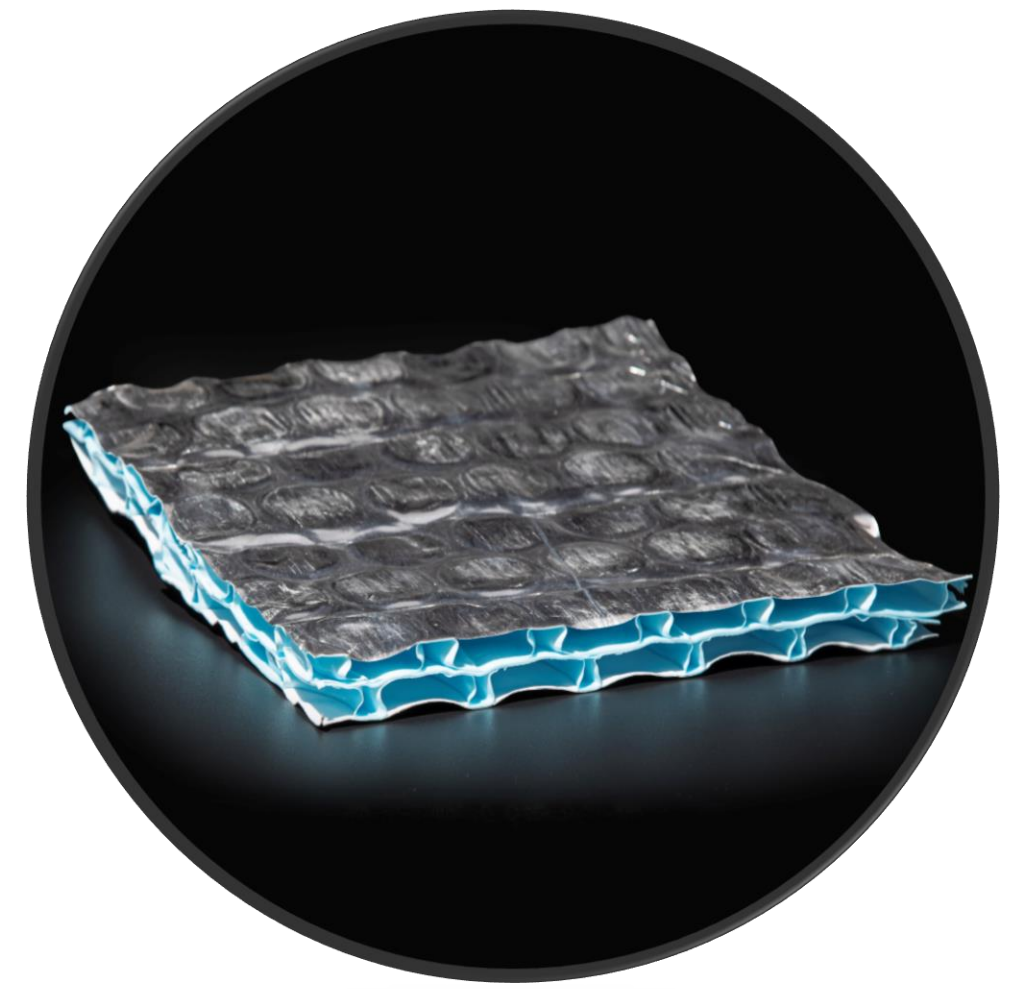




# Polynum™ Sound

## Insulation for Roof & Wall



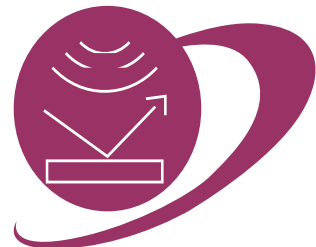
Introducing our thermo-acoustic reflective insulation, 16.00mm thick and designed to meet your construction needs.

This innovative product features a double layer of big acoustic polymer bubbles, laminated to two heavy duty pure aluminum reflective layers, maximizing radiant heat reflection.

Offering both conductive thermal and acoustic insulation in one, it provides excellent thermal resistance for green construction standards while enhancing comfort within the building space. Additionally, its high-quality acoustic insulation properties serve, ensuring a quieter and more peaceful environment.



Against condensation  
Resistant to moisture



Reflect 97% IR



Thermal Insulation



Saving Energy



Green Building



Durability for Years



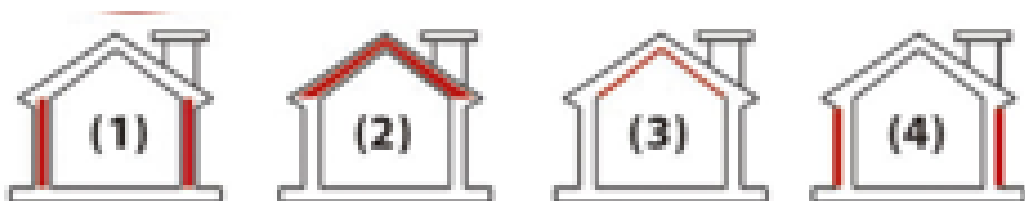
No eye & face protection  
required



Light weight & Thin



Easy to Install



Property	Units	Dir	Value
Nominal thickness:	mm		16.0
Standard Roll Size	m X m		1.2m X10m 1.2 x 1.0 plates
Standard Roll Weight (Gross)	kg		21.5 kg
Emissivity (ASTM C 1371)			0.05
Reflectivity (ASTM C 1371)			0.95
Heat resistance (R)* – under roof (ASTM C 1363)	m <sup>2</sup> ·°C/W	Down	3.16
Heat resistance (R)* – wall cavity(ASTM C 1363) →			1.81
Sound Transmission- (ASTM E 384)	Db		-16
System STC range (Inside measurement)- Out in	Db		-20 to -50
Resistance to Corrosion	AS/NZS4859 .1 (App.1)		Pass
Tensile properties (ASTM C 1136-92)	g/cm-width	MD	>10kg/cm2
Fire Safety – (EN 13501)			B-S1-d0
Water Vapor Transmission (ASTM E-96)	g / ft <sup>2</sup> · hr		0.018 (method A)
Fungal Resistance Test (ASTM C 1338)			No fungal growth