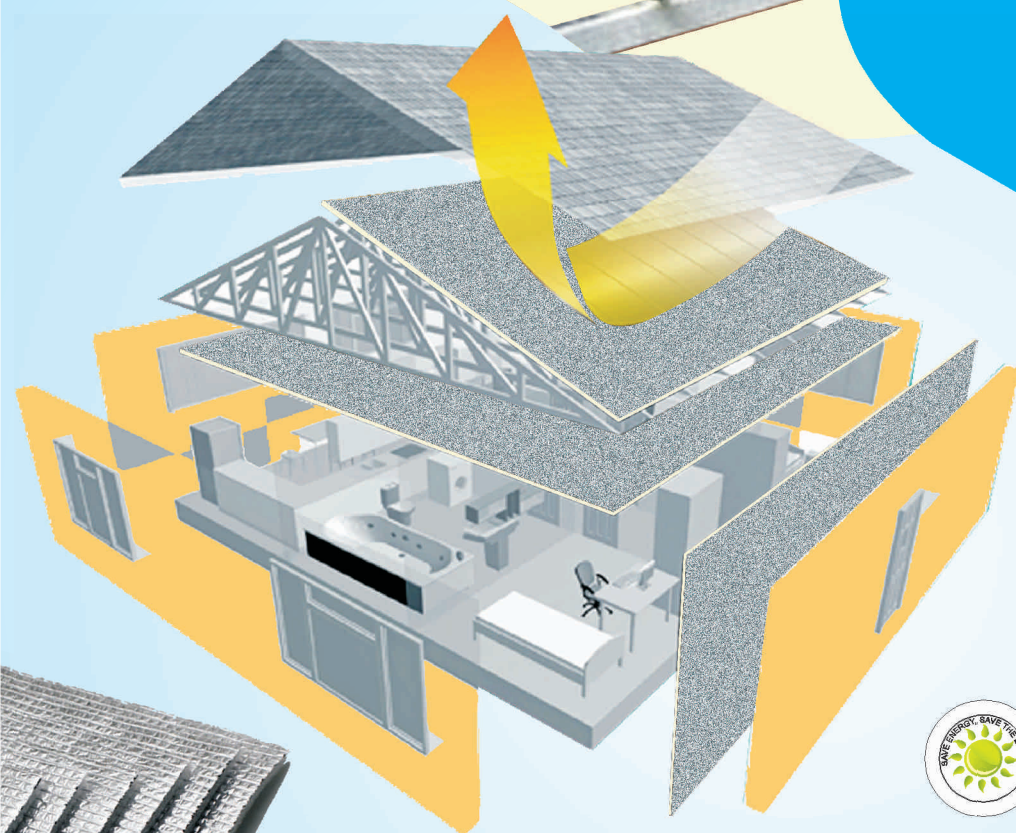


The ideal
**SOUND PROOF
REFLECTIVE
INSULATION**
Energy Saving & Eco-Friendly



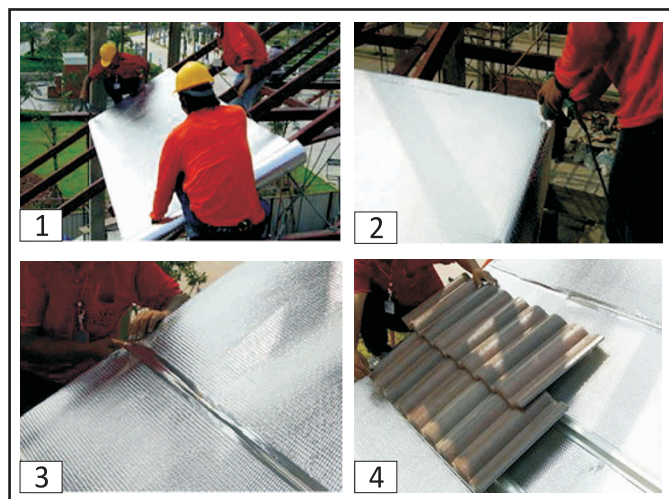
BENEFITS

Conserves energy & reduces operating energy costs | Fibre-free and non-allergenic | No risk of airborne fibres contaminating indoor air quality | 2-in-1 insulation: does not require mesh for support (self supporting) | Natural vapour barrier: water resistant and not affected by humidity | Corrosion free, shrinkage free, strong and durable | Fire retardant: meets international insulation fire standards | Quick and easy to install | **Good acoustic performance**

Available colour :  Off-White

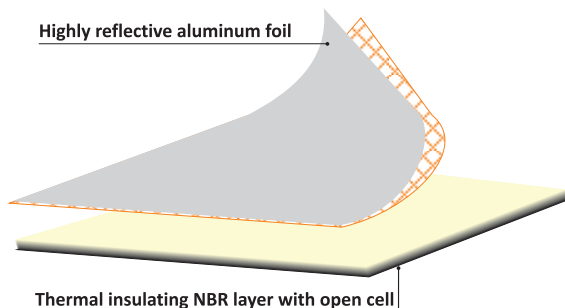
DEFINITION

Elasto roof is a NBR foam insulation sheet laminated on one side with highly reflective aluminium foil and on the other side it is open cell. It reduces 95% of radiant heat, minimizes condensation and reduces noise transmission.



USER MANUAL

1. Spread the GI Mesh on Roof across the purlin
2. Cut the insulation sheet according to the size of Purlin
3. Spread out the cut sheet on the GI mesh
4. Put the GI sheet on top of it and fix on purlin with screw



TECHNICAL SPECIFICATIONS

Parameters	Unit	Value	Standard
Material		NBR Foam with highly reflective Aluminum foil	
Nominal thickness	mm	7.5	
Packing Standard (WxL)	m	1.2x40	
Density	kg/m ³	40-60	ASTMD1056
Service Temperature	°C	-40 to +110	
Emissivity	%	5	ASTM C1371
Reflectivity	%	95	ASTM C1371/E903
Thermal Conductivity @ 20°C	W/mK	≤0.033	
Thermal Resistance @ 20°C	M ² K/W	0.227/0.106	ASTM C423/ISO354
Noise reduction coefficient		0.25	
Water vapor diffusion resistance index		≥12000	ASTM E-96
Bleeding & Delamination Test		Pass	ASTM C1224
Corrosion Risk		pH7 (Neutral)	
Fungal resistance test		No growth	ASTM G21
Ozone Depleting substances (CFC/HCFC)		Not detected	
Surface flame spread		Class 1	BS-476 Part 7
Rate of Burning		Pass	HB (UL 94)
Practical Fire Behavior		Self-Extinguishing, does not drip & does not spread flames.	ASTM D635
Resistance to Oil & Grease		Very Good	
Odour		Negligible	

APPLICATION

Roof - Steel panel construction

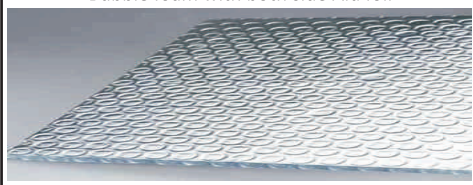

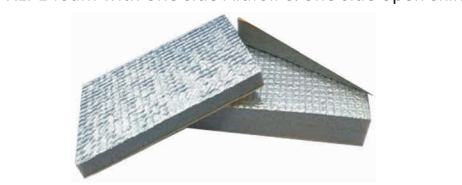
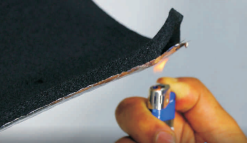

Commercial spaces | Factories | Hangers | Warehouse

Roof - Non steel construction

- Residential Buildings

* GI wire may be used under gaps to support insulation sheet.

EFFECT OF FIRE - AFTER BEING EXPOSED FOR 30 SECS. IN FLAME

Bubble foam with both side Alu foil 	Nitrile insulation with one side Alu foil & one side open skin 	XLPE foam with one side Alufoil & one side open skin 
 Bubble foam plastic bubble melted and lost its insulation property.	 NBR self extinguishes & does not spread flame.	 XLPE continues to burn even after removal of flame and produces fire dripping.



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Disclaimer: Although these values represent actual results achieved in tests, they should only be used as a guide. ALP Aeroflex cannot guarantee the performance of the product as all situations are different & should be treated separately. All statements & technical informations are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the informations are appropriate for specific use intended by the recipient.