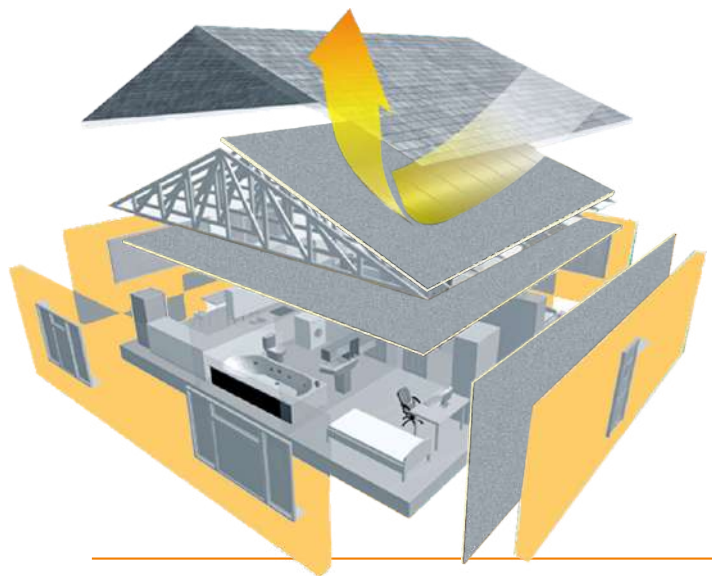
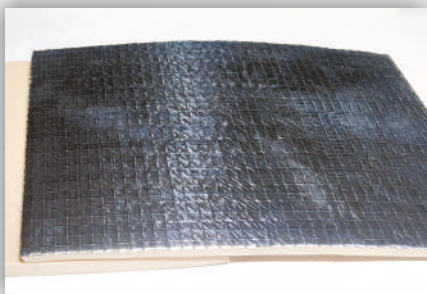
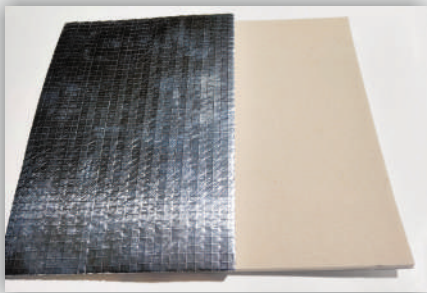




ELAST Roof

SOUND PROOF REFLECTIVE INSULATION



ADVANTAGES

- Conserves energy & reduces operating energy costs
- Fibre-free & non-allergenic
- No risk of airborne fibers contaminating indoor air quality
- Natural vapour barrier: water resistant & not affected by humidity
- Fire retardant: meets international insulation fire standards
- Quick and easy to install

PRODUCT DESCRIPTION

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.

APPLICATIONS

Roof-Steel Panel Construction: Commercial spaces, Factories, Hangers, Warehouse

Roof-Non Steel Construction: Residential Buildings

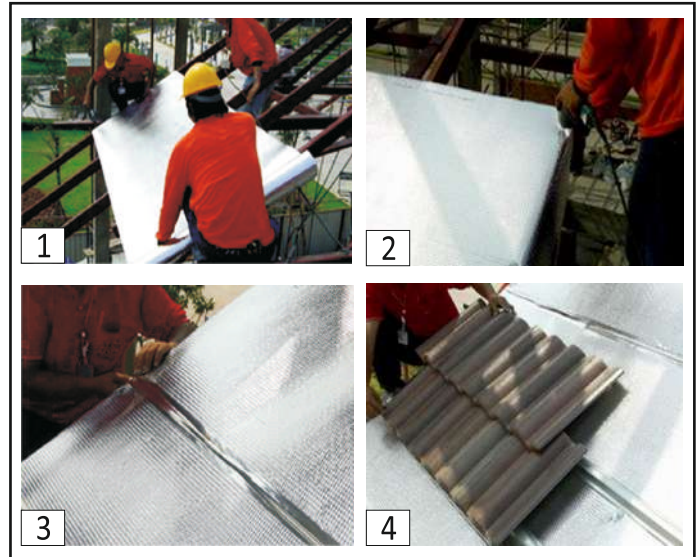
* GI wire/Mesh may be used under gaps to support insulation sheet.

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 DATA

Parameters	Unit	Value	Standard
Material		NBR Foam laminated on one side with highly reflective aluminum foil & other side open cell.	
Nominal thickness	mm	8 (± 1mm)	
Packing Standard (WxL)	m	1.2x40	
Density	kg/m ³	40-60	ASTMD1056
Service Temperature	°C	-40 to +110	
Emissivity	%	<12	ASTM C1371
Reflectivity	%	>88	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
Fungal resistance test		No growth	ASTM G21
Ozone Depleting substances (CFC/HCFC)		Not detected	GC-MS
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	
Odour		Negligible	



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

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

CERTIFICATIONS



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#SWADESHI



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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.