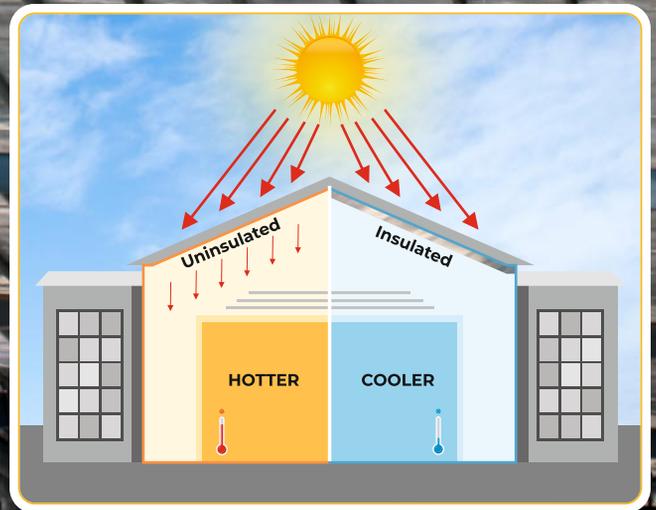




ALP AFRICA (PTY.) LTD.

**ELASTOROOF**™



## REFLECTIVE UNDERDECK INSULATION

Suitable for Corrugated Metal Sheet Roofing

### ADVANTAGES

- ◆ Conserves energy & reduces operating costs
- ◆ Fibre-free & non-allergenic
- ◆ No risk of airborne fibers contaminating indoor air quality
- ◆ In-built vapour barrier
- ◆ Fire retardant: meets international insulation fire standards
- ◆ Quick and easy to install

### CERTIFICATIONS



## PRODUCT DESCRIPTION

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

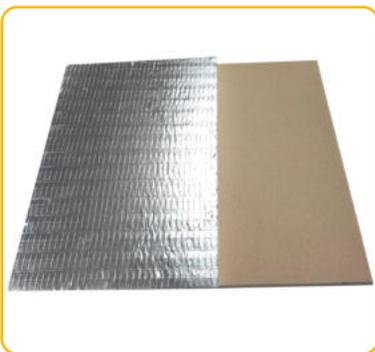
Applications	<b>Roof-Steel Panel Construction:</b> Commercial spaces, Factories, Hangers, Warehouse <b>Roof-Non Steel Construction:</b> Residential Buildings <b>Note:</b> GI wire/ Mesh may be used under gaps to support insulation sheet.
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## TECHNICAL DETAILS

PROPERTIES	UNIT	VALUE	STANDARD
Material	NBR Foam laminated on one side with highly reflective aluminum foil		
Nominal thickness	mm	8 (± 1mm)	
Packing Standard (WxL)	m	1.2x40	
Density	kg/m <sup>3</sup>	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 <sup>2</sup> K/W	0.242	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, doesn't drip & doesn't spread flames	ASTM D635
Odour		Negligible	

## USER INSTRUCTIONS

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



Note: Special thickness is available on request.

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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.