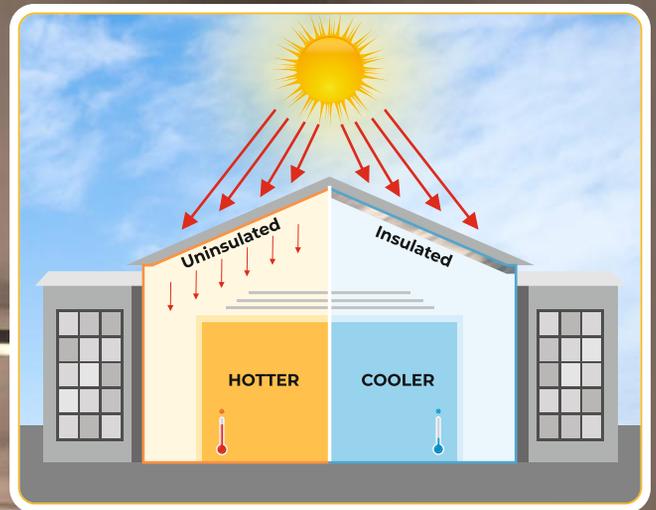




ALP AFRICA (PTY.) LTD.

ELASTOUNDERDECK™



**UNDERDECK INSULATION
WITH UNIQUE INTERLOCKING**
Suitable for Concrete Roofing

ADVANTAGES

- ◆ Unique interlocking design
- ◆ Smooth surface
- ◆ Durable & erosion-resistant
- ◆ Easy to apply
- ◆ Fibre, CFC and HCFC free
- ◆ Excellent aesthetics

CERTIFICATIONS



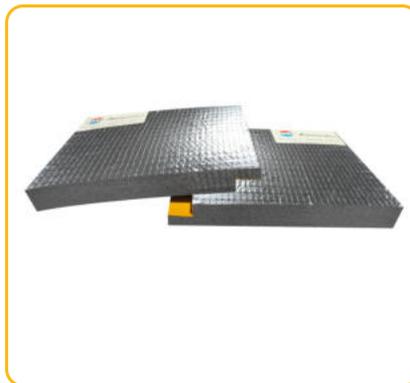
PRODUCT DESCRIPTION

Elasto UnderDeck is a closed cell elastomeric NBR foam laminated one side with alu foil. It has 50mm overlap with self adhesive strip along one side edge, which helps to interlock with adjacent sheet, without any air gap. This provides perfect sealing minimizes wastages and better aesthetics. It reduces 95% of radiant heat, minimizes condensation and reduces noise transmission.

Applications **RCC Construction:** Commercial spaces, Factories, Hangers, Warehouse
Roof-Non Steel Construction: Residential Buildings Applied underdeck by using ALP Aerostick adhesive.

TECHNICAL DETAILS

PROPERTIES	UNIT	VALUE	STANDARD
Material	NBR Foam laminated on one side with highly reflective aluminum foil		
Nominal thickness	mm	22 (± 1mm)	
Sheet Size	m	1.2 x 2.4	
Density	kg/m ³	50 - 80	ASTMD1056
Service Temperature	°C	-40 to +105	
Emissivity	%	<12	ASTM C1371
Reflectivity	%	>88	ASTM C1371/ E903
Thermal Conductivity (K value)	10 °C	W/mK	≤0.035
	20 °C	W/mK	≤0.036
	40 °C	W/mK	≤0.038
Water vapor diffusion resistance index		≥12000	ASTM E-96
Fire Classification		Class 0	BS 476 Part 6 & 7
Rate of Burning		HB	UL 94
Practical Fire Behavior		Self-Extinguishing, doesn't drip & doesn't spread flames	ASTM D635
Ozone Depleting substances (CFC/HCFC)		Not detected	
Formaldehyde - Cd-Hg		Not detected	
Fungal resistance test		No growth	ASTM G21
Closed Cell	%	>90	
Odour		Negligible	
Thermal Resistance @ 20 °C	M ² K/W	0.242	ASTM C423/ ISO354
Bleeding & Delamination Test		Pass	ASTM C1224



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.