SINCE 1934

TECHNO bit

TECHNOLOGY OF INSULATING MATERIALS



LASTICK ALUSHIELD

Aluminum Surfaced Solar Reflective Waterproofing Membrane

THE WISE CHOICE

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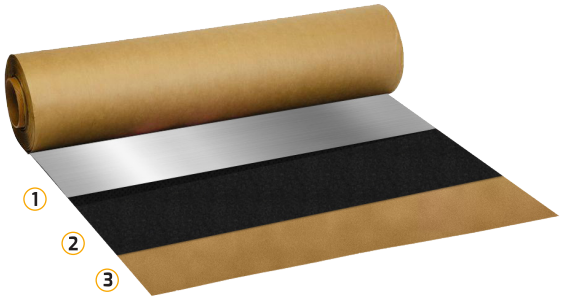
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MADE IN EGYPT

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Description

Lastick Alusheiled is carrierless self adhesive waterproofing membrane made of elastomeric bitumen compound and Aluminium foil surface. The underface is composed of a silicone split-back release paper , it is highly recommended for metal sheets waterproofing and repair works of diffrent substrates



1. Heavy-Duty Aluminum Foil
2. Elastic Bitumen Compound
3. Split Release Paper

WIDTH	THICKNESS	LENGTH
1 M	1 1.5 2 mm	15 20 M

Major Features

- Excellent solar reflectance (Aluminum surfacing)
- Safe Application (Flameless)
- Easy to use (Self Adhesive)
- Environmentally Friendly (No Waste)
- Fast Application
- Good tear and puncture resistance
- Excellent tensile strength in both longitudinal and transverse direction
- Good resistance to water & vapor
- Excellent adhesion to vertical and horizontal surfaces

Uses

- Multi purpose waterproofing membrane
- It can also be used as a flashing on up-stands

Flat Roofs | Pitched Roofs | Metal Sheets | Drainage Gutter

Method of Application

1. Peel off the release film from the self adhesive side.
2. Start unrolling the membrane and press it to the surface.
3. Smoothen the membrane from the center to the edges with a wooden press in order to remove any entrapped air.
4. Use iron roller to ensure a proper and strong adhesion of the bitumen compound with the base surface.
5. Side overlaps shall be a minimum of 50mm on the selvedge and end overlaps 100mm.
6. When used as a flashing membrane on up-stands and parapets, Lastick Alushield membrane will be lapped with the base membrane and taken up on the up-stand and tucked inside the groove cut along the parapet wall. The tucked membrane will be sealed with a bitumen mastic sealant

Storage & Handling

Lastick Alushield rolls should be kept in an upright position in a flat, properly ventilated and sheltered storage area away from sunrays.

Lastick Alushield

Aluminum surfaced solar reflective waterproofing membrane

Property Method		Typical Value	Test
Thickness, (Mm)		1.2 - 1.5 - 2	DIN EN 1849-1
Mass Per Unit Area, (Kg/m2)		1.2 - 1.5 - 2	DIN EN 1849-1
Top Surfacing		Heavy Duty Aluminum Foil	-
Tensile Strength (N/5cm)	L	200	EN 12311-1
	T	200	
Elongation, (%)	L	15	EN 12311-1
	T	15	
Softening Point, (R&b), (°c)		>105	ASTM D 36
Tensile Strength (Foil), (N/mm^2)	L	60	ASTM D 882
	T	55	
Elongation @break (Foil),(%)	L	15	ASTM D 882
	T	20	
Tear Strength (Foil),(N)	L	400	ASTM D 1004
	T	380	
Puncture Resistance (Foil), (N)		300	ASTM E 154
Adhesion Strength, Primed Substrate (N/mm)		>1.6	ASTM D 1000
Adhesion Strength, Self - Lab (N/mm)		>1.8	
Reflectance, (%)		> 60	EN 410
Hydrostatic Pressure @ 5bar (50m)		NO Leakage	BS EN 12390
Water Absorption (Foil) @24 Hrs, (%)		0.14	ASTM D 570
Chemical Resistance, (Ph)		2.5-11.5	ASTM D 543
Low Temperature Flexibility		<-20°C	ASTM D 1970
Crack Bridging Ability, (Mm)		>1	ASTM C 836
Voc (G/l)		<50	ASTM D3960/ D2369

TECHNOBIT products are tested at random intervals by independent laboratories to international standards and the results of these tests are available on request. In addition, each batch manufactured is subject to strict quality control procedures to ensure it meets appropriate and applicable standards and/or norms.

- Product Technical specifications may be updated by TechnoBit without prior notice.
- Issue Date of this Techinical Data Sheet is **MAY / 2025**
  The Information Provided by This Issue Cancels Any Previous Issues.

ISO 9001 OHSAS 18001 ISO 14001