

ABOUT AL PROTECT

SUPERLON's **AL PROTECT** is an aesthetically pleasing combination of flexible elastomeric (NBR) insulation foam and high quality aluminum foil. Aluminum foil facing protects the insulation foam against weathering elements without compromising the building's design.

Suitable for the application of HVAC systems both indoor and outdoor.

SPECIFICATIONS

Property	Values				Method
Materials	Elastomeric NBR Insulation Foam Laminated with Aluminum Foil				
Aluminum Foil	85 GSM (+/- 10 GSM)				
	-50° C to 105°C (85°C for flat surface)				
Density	40 kg/m ³ - 70 kg/m ³				
Thermal Conductivity	Mean Temp	0°C	20°C	40°C	ASTM C518
	W/m.k	≤ 0.032	≤ 0.034	≤ 0.036	ASTM C177
Water Vapour Permeability	≤ 0.89 x 10 ⁻¹⁴ kg/Pa.m.s				ASTM E96
Water Absorption by Volume	μ ≥ 12,000				ASTM C209
	≤ 0.2%				
Tensile Strength	≥ 200 Kpa				ASTM D412
Dimensional Stability	< 7% at 93°C (200°F) and 105°C (220°F)				ASTM C534
Compression Set	6.00%				KS M6962
Ozone Resistance	Good				ASTM G155
Corrosion Resistance	No corrosion				
Puncture Resistance	Good				
Health and Environmental	Dust & Fibre free, CFC Free, Zero ODP & GWP				

FEATURES AND CHARACTERISTICS



Anti fungal & anti bacterial



Heat deflective



Reduce energy loss



Excellent moisture barrier



Hassle free maintenance

PRODUCT RANGE

AL PROTECT TUBING		
LENGTH	INTERNAL DIAMETER	WALL THICKNESS
1M	1/2" (13MM) TO 4 1/2" (114MM)	1/2" (13MM) TO 2" (51MM)
2M	1/2" (13MM) TO 4 1/2" (114MM)	1/2" (13MM) TO 1" (25MM)

AL PROTECT SHEET	
SHEET THICKNESS	SIZE (W X L)
FROM 1/4" (6MM) TO 2" (51MM)	1.22M X 0.91M

AL PROTECT ROLL	
ROLL THICKNESS	SIZE (W X L)
1/4" (6MM)	1.22M X 24.0M
3/8" (10MM)	1.22M X 21.0M
1/2" (13MM)	1.22M X 15.0M
5/8" (16MM)	1.22M X 14.0M
3/4" (19MM)	1.22M X 9.0M
1" (25MM)	1.22M X 8.0M
1 1/4" (32MM)	1.22M X 6.0M
1 1/2" (38MM)	1.22M X 5.0M
2" (51MM)	1.22M X 4.0M

3mm (1/8") thk and other sizes can be customized, contact Superlon sales representative for more information.

Self-adhesive lamination for SHEET and ROLL Insulations is also available.

AL PROTECT EASY SEAL		
LENGTH	INTERNAL DIAMETER	WALL THICKNESS
1M	5/8" (16MM) TO 4 1/2" (114MM)	1/2" (13MM) TO 2" (51MM)
2M	5/8" (16MM) TO 4 1/2" (114MM)	1/2" (13MM) TO 1" (25MM)

AL PROTECT TUBING is also available in "EASY SEAL" insulation tubes. Easy Seal does not require additional glue or adhesive. The installation is convenient and hassle free,



TAPE SERIES**AL PROTECT TAPE**

A superior quick-stick solution for insulation tube and sheet joint surface or general maintenance.

This self-adhesive layer reinforce aluminum has excellent tensile strength and flexibility to provide the extra holding power on any type of application.

Packing Size :
48MM W x 25M L : 20 rolls / ctn

**AL PROTECT FOAM TAPE**

Commonly used for joining areas where glue used for adhesion of insulation foam. Excellent for preventing temperature loss at the joining areas.

Packing Size :
48MM W X 30' (9.14M) L : 24 rolls / ctn

CERTIFICATIONS

**Underwriters
Laboratories**



**SINGAPORE
GREEN
BUILDING
PRODUCT**
SGBC
EXCELLENT

**PRODUCT OF:**

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