



Description

Huali Aluminum jacketing is typically manufactured using alloys 1060 or 3003 which have very similar composition and performance and are considered interchangeable for use as insulation jacketing, in compliance with standard ASTM B 209. For the other aluminum alloy No. please contact us directly.

Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Al	Else
1060	0.25	0.35	0.05	0.03	0.03	0.05	0.03	99.6	0.03
3003	0.6	0.7	0.05-0.2	1.0-1.5	-	0.10	-	remainder	0.15



Polyfilm moisture barrier (PFMB)

Huali recommends the use of PFMB on all aluminum jacketing to help prevent pitting, crevice, and galvanic corrosion of the interior surface of the metal jacketing and the insulated pipe, tank, or equipment. And Huali two different types of PFMB are available.

- Poly-kraft moisture barrier (PKMB): consists of one to three mil thick kraft paper, laminated low density polyethylene film bonded to the interior and exterior surface.
- Poly-surlyn moisture barrier (PSMB): is an engineered three layer coextruded film of polyethylene and Surlyn* polymers with a total film thickness of 3 mils (76 μm) that is heat laminated in the factory to the interior surface of aluminum jacketing.

Application

Aluminum jacketing is the premier protective outer surface for mechanical insulation systems including pipe, vessels, and equipment. It protects the insulation and underlying pipe/vessel from physical damage, UV exposure, corrosive atmospheres, and water.

Surface finish

To laminate the moisture barrier, Huali has two surface finishes available (smooth, stucco embossed , please check the detailed stucco embossed aluminum jacketing for the two finish.) has applications where it is recommended.

Specification

Thickness		Width mm	Length		Surface Finish	PFMB
Inch	mm		m/roll	ton/coil		
0.012	0.3	914 / 1000 / 1219	30	1.5-2	Smooth / Stucco embossed	PKMB / PSMB
0.016	0.4		30	1.5-2		
0.02	0.5		30	1.5-2		
0.024	0.6		30	2-2.5		
0.028	0.7		25	2-2.5		
0.032	0.8		25	2-2.5		
0.04	1.0		20	2.5-3		
0.047	1.2		20	2.5-3		

Note: any other thickness or size, please contact us.

