



HENAN FLAIT ALUMINUM CO., LTD.

Flait Aluminum is committed to product R&D, production, sales and service.

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Aluminum Jacketing Insulation Coil Roll

[Aluminum jacketing insulation coil roll](#) (is also called aluminum cladding roll, insulation aluminum coil roll, thermal insulation aluminum roll, heat insulation aluminum roll) is a protective covering, often used in equipment insulation and pipe insulation to prevent damage and improve energy efficiency. The typical products of aluminum jacketing are: 1050/1060/1100 pure aluminum jacketing insulation roll, 3003/3105 anti-rust aluminum jacketing insulation roll, 5005/5052 anti-rust and corrosion-resistant aluminum jacketing insulation roll.

1060 Aluminum jacketing insulation coil roll

1060 Aluminum jacketing insulation coil roll is a pure aluminum, with an aluminum content greater than or equal to 99.6%. It is an ordinary aluminum coil for thermal insulation. It is relatively cheap and has a wide range of applications, such as: waterproofing of ordinary buildings and thermal insulation and rust prevention of municipal pipelines. However, 1060 Aluminum jacketing rolls are not resistant to acid and alkali corrosion, and are not suitable for heat preservation of equipment and pipelines in power plants and chemical plants.



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3003 Aluminum jacketing insulation coil roll

3003 Aluminum jacketing insulation coil roll (also known as anti-rust aluminum coil) is an Al-Mn alloy, with a manganese content of about 1.12, which is good in rust and corrosion resistance. The strength, rust resistance and corrosion resistance of 3003 aluminum coils are higher than 1060 aluminum coils; the price also is higher than 1060, which belongs to the mid-end products in the aluminum jacketing insulation roll. It is mostly used for heat preservation of refrigeration equipment, storage tanks, pressure vessels and pipes, heat sinks, etc.

5052 Aluminum jacketing insulation coil roll

5052 Aluminum jacketing insulation coil roll is Al-Mg alloy, with higher hardness and better rust and corrosion resistance. The price of this series of thermal insulation aluminum coils is higher than 1060 and 3003 aluminum coils. 5052 aluminum coil has high strength, plasticity, good corrosion resistance, good fatigue relief, and can be welded and processed. It is regarded as a more promising aluminum insulation jacketing coil roll. 5052 Aluminum jacketing rolls are used in occasions that have strict requirements on the performance of aluminum coils, such as height, fatigue resistance, corrosion resistance, etc., such as maritime, shipbuilding, chemical industry, electric power, nuclear power, aviation, aerospace and other fields.



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Classification of Aluminum Jacketing Coil/Roll

Surface Finish



Mill Smooth Aluminum Jacketing Insulation Coil

Surface is clean, bright and beautiful

Effect of treating rainwater is good

Surface is smooth to prevent dirt

High reflectivity to sunlight



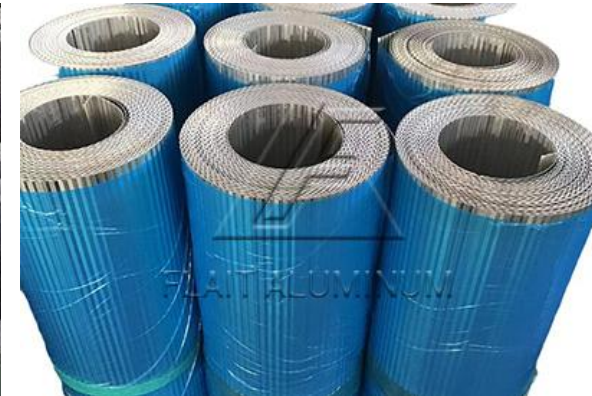
Stucco Embossed Aluminum Jacketing Coil

Hide small damage and scratches

Good strength, ductility and durability

Reduce reflectivity

Good visual effect



Corrugated Aluminum Jacketing

Hide small damage and scratches

Reduce sunlight reflection

Good rigidity and strength

Great expansion and contraction capacity



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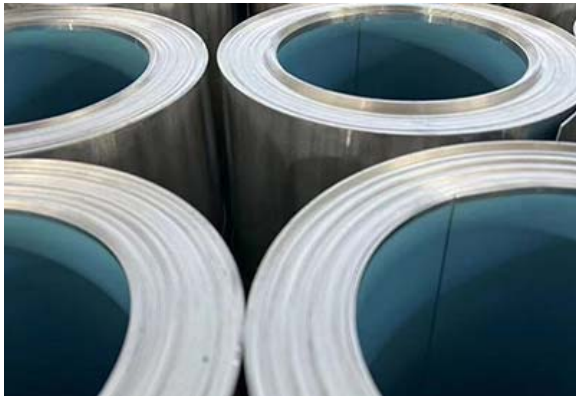
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Types of Moisture Barrier



Polysurlyn Moisture Barrier Aluminum Jacketing Coil

- Excellent corrosion resistance
- Waterproof and anti-oxidation
- Extended service life
- Good wear resistance



PolyKraft Paper Aluminum Jacketing Coil

- Good anti-corrosion, anti-rust and thermal insulation
- Waterproof, anti-oxidation
- Good durability
- Beautiful surface (Color: khaki)



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Specification

Alloy	1050, 1060, 1100, 3003, 3105, 5005, 5052, etc.
Temper	H14, H16, H24, H26
Thickness	0.3-1.5mm
Width	914mm, 1000mm, 1200mm, 1219mm, etc.
Length	50' (15 meters), 100' (30 meters), 200' (60 meters), 300' (90 meters), Coil (specify lengths), Flat Sheets (cut to length), Cut & Rolled (to specific lengths)
Inner diameter	75mm, 150mm, 305mm, 405mm, 505mm with or without paper core
Surface treatment	Mill finish, smooth/plain, stucco embossed, corrugated
Moisture barrier	Polysurlyn, composite kraft paper
Surface lamination	Kraft paper laminated
Kraft paper thickness	About 0.1mm





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Aluminum Jacketing for Pipe Insulation				
Thickness(inch)	Thickness(mm)	Width(mm)	Length(m)	Suggested Application
0.012	0.3	914,1000,1219	20,25,30, 60,90 per roll or customized	OD below 36"(914mm) insulated pipe lines.
0.016	0.4	914,1000,1219	20,25,30, 60,90 per roll or customized	OD below 36"(914mm)insulated lines.
0.020	0.5	914,1000,1219	20,25,30, 60,90 per roll or customized	OD below 36"(914mm)insulated lines.
0.024	0.6	914,1000,1219	20,25,30, 60,90 per roll or customized	OD below 36"-8'(914mm-2.43m)insulated lines & equipment.
0.032	0.8	914,1000,1219	20,25,30, 60,90 per roll or customized	Special applications where extra thickness and protection is required, such as fabricated tank head covers and other
0.040	1.0	914,1000,1219	20,25,30, 60,90 per roll or customized	Special applications where heavy mechanical is required.
0.050	1.2	914,1000,1219	20,25,30, 60,90 per roll or customized	Flat ducts or precipitators. Also recommended for areas subject to high wind conditions.





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Advantages

1. The insulation jacketing aluminum coil is very light in weight. .
2. The appearance of the thermal insulation aluminum coil is smooth and beautiful.
3. The aluminum jacketing coil is convenient for construction and can improve work efficiency.
4. The insulation jacketing aluminum coil has good anti-rust, waterproof and anti-corrosion characteristics.
5. The aluminum jacketing coil is easy to process and form, the construction is convenient and fast.
6. The recycling value of aluminum jacketing coil is high.

Application

1050/1060/1100 Aluminum insulation jacketing coils: general building waterproofing, pipe insulation, and anti-rust engineering.

3003/3105 Aluminum insulation jacketing coils: insulation of equipment and pipes in power plants and chemical plants.

5052/5005 Aluminum insulation jacketing coils:maritime, shipbuilding, chemical industry, electric power, etc.



The above mentioned aluminum product is produced according to national standard specifications. Please contact us for a free quote!

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