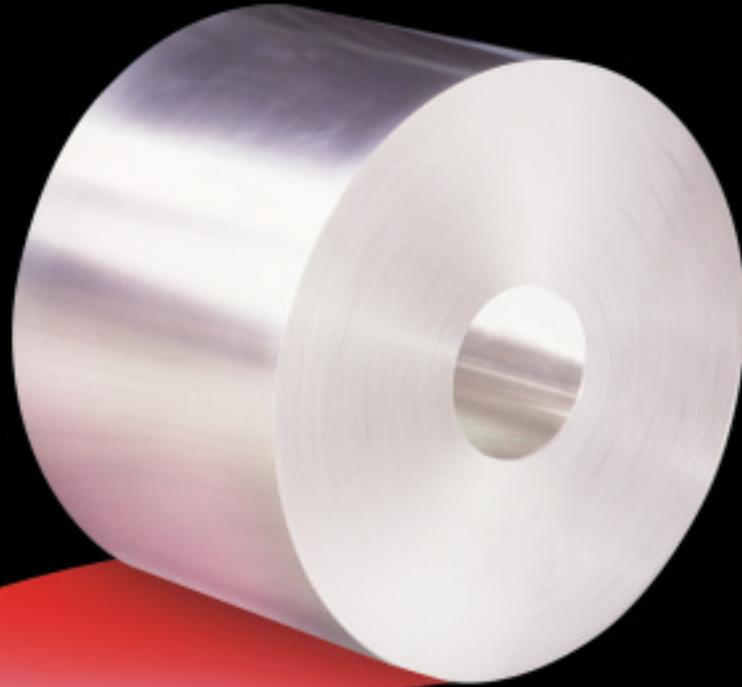




ALCOA

Alcoa Mill Products



**Pre-Painted
Aluminum Coil**

Endless Choice of Coatings and Colors
From a Single Integrated Source

A Great Finish is Only the Beginning



Alcoa Mill Products is the leading producer of pre-painted aluminum coil...a versatile, pre-finished material that enhances the appearance and performance of countless products. Across a wide variety of industries, manufacturers rely on the value-added benefits of Alcoa pre-painted aluminum coil:

▲ **Versatile Finish** - The coil coating process yields an endless selection of metal finishes, colors, textures and visual effects...all applied with greater precision and uniformity than other painting methods. The finish can be customized to your exact requirements for color, gloss, thickness, formability and special coatings.

▲ **Ease of Fabrication** - For fabrication and assembly, pre-painted aluminum coil is efficiently formed, shaped, cut and fastened by a variety of methods. Alcoa offers a wide selection of substrate alloys, tempers, gauges and widths to optimize the material's performance for your specific application.

▲ **Cost-effectiveness** - Compared to post-painting operations, pre-painted aluminum offers significant advantages in the areas of flexibility, efficiency and uniformity of product with energy management and pollution control.

▲ **All the Advantages of Aluminum** - Aluminum is the material of choice due to its many inherent properties: reduced weight, high strength, corrosion resistance, machinability, formability and non-sparking... plus easy recyclability. Compared to pre-painted steel, where uncoated edges can rust and peel, corrosion resistant aluminum offers beauty that's more than skin deep!



Fully Integrated Facilities with Single-Point Accountability

At plants in Lancaster, Pennsylvania and Texarkana, Texas, Alcoa Mill Products has casting, rolling and coating operations that are at the forefront of the industry. Unlike suppliers who only finish coat material provided by others, Alcoa Mill Products performs the entire production and finishing process. It starts with metal manufactured to exacting standards and extends to comprehensive quality testing including in-house facilities for accurate color control. That enables Alcoa to offer exceptional product quality, with full traceability and quality systems registered to ISO 9002 and QS 9000.

As part of Alcoa, the world's largest aluminum company, Alcoa Mill Products has been a leader in pre-painting aluminum coil since 1972. The pre-painting process provides greater durability with a more consistent finish than spraying, powder coating or other post-painting methods. Application expertise and experience across a breadth of markets allows Alcoa Mill Products to master difficult formulations and provide custom coatings for challenging applications.



Technology for Precise Coil Coating

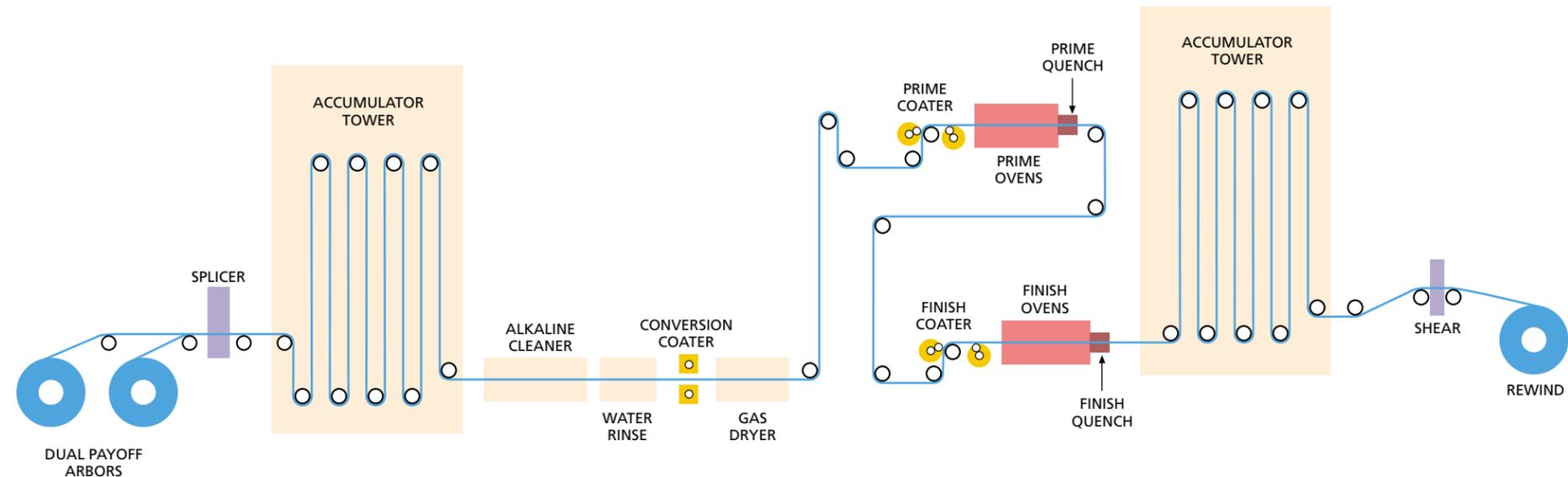


To produce pre-painted aluminum coil, Alcoa Mill Products uses a high speed process (called coil coating) to apply paint and other special coatings to one or both sides of a continuous coil of flat rolled aluminum. In this very efficient process, the speed of the coating line can range up to 400 feet per minute.

After an Alcoa coil has been manufactured to exact specifications for alloy, temper, gauge and width, this precisely controlled material is taken to the coating line. Both the top and bottom sides are cleaned and chemically treated; a primer coat may also be applied. The material is then oven cured, finish coated (on one or both sides) and oven cured again before being rewound for shipment. Rigorous quality checks test every coil for flatness, color, flexibility, curing, hardness, film thickness and (where applicable) embossing depth.

Standard Material Sizes and Types

- ▲ **Popular Alloys:** including 3003, 3004, 3105 and 5052 in a range of standard and custom tempers
- ▲ **Coil Gauges:** thicknesses from .008" to .063" depending on alloy and temper
- ▲ **Coil Widths:** 1" to 62" available.



Extensive Range of Coating Finishes



- ▲ **Acrylic...**provides good exterior durability and stain resistance for use in truck trailers, signs, cabinets and displays.
- ▲ **Polyester...**has good exterior durability and formability for appliances, building products, HVAC and lighting products.
- ▲ **Silicone Polyester...**offers superior durability; generally used for high-end building product applications.

- ▲ **Vinyl...**with good chemical resistance, formability and FDA approval, vinyl is typically used for cans, packaging and aerosol valves.
- ▲ **Urethane...**good exterior durability and extraordinary formability make these coatings ideal for window frames, skylights and roof vents.
- ▲ **Epoxy...**typically functions as a primer or laminating backer due to its outstanding chemical resistance and bonding characteristics. It is also used for containers and closures.
- ▲ **Fluoropolymer (PVDF)...**the most durable coating available, PVDF is specified for architectural building panels, roofing and other high-end building applications.
- ▲ **Specialty Finishes...**transparent coatings, metallics, high reflectance finishes, conductive and anti-fogging coatings, and conversion coatings.

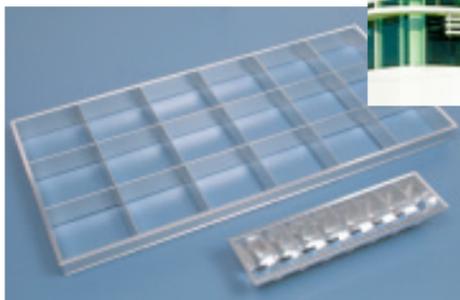


The Product of Choice Across a Broad Range of Markets

Sold direct and through leading Metal Service Centers, Alcoa's pre-painted products offer excellent flexibility for the application of a wide variety of paints and finishes. Choose from an endless combination of colors, patterns, printed effects, embossing and textures...a selection that allows designers to dream and engineers to create a distinctive end-product appearance.

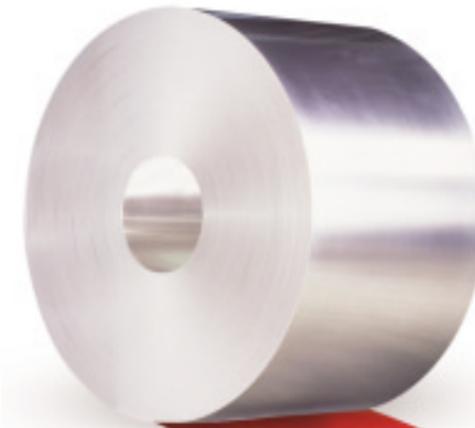


- ▲ **Building and Construction**...as architectural panels, awnings, roofing and siding, doors, windows and hardware
- ▲ **Transportation**...for passenger, commercial and recreational vehicles, and mass transit
- ▲ **Consumer Durables**...for furniture and appliances, computer cabinets, aerosol valves, mailboxes, tools (such as snow shovels) and home accessories
- ▲ **Electrical Equipment**...in lighting fixtures, traffic devices, antennae and satellite dishes, fans, housings and dial faces
- ▲ **Machinery and Equipment**...for highway and advertising signs, conveyors, material handling and printing equipment, fire fighting equipment, walk-in coolers, nameplates, and uses in process industries.



World Class Customer Service and Technical Support

With unsurpassed credentials in metallurgy, application engineering and sales/service, Alcoa Mill Products is committed to enhancing customer success by providing technical solutions for customer needs. Involve us at the inception of your idea or product - we can help you create approaches with pre-painted aluminum coil that improve the cost-effectiveness, appearance and functionality of end-use products.



Alcoa is your complete source for coil, flat sheet, wrought plate, cast plate, foil, extrusions and forgings. To complement these resources, Alcoa's industry-leading customer service provides prompt, accurate answers on everything from order status and quality certifications to customized packaging and shipping programs. Information is available through multiple media: Electronic Data Entry, toll-free numbers for skilled service specialists and an intranet web site, AlcoaDirect™ ... all designed around satisfying customer needs.





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