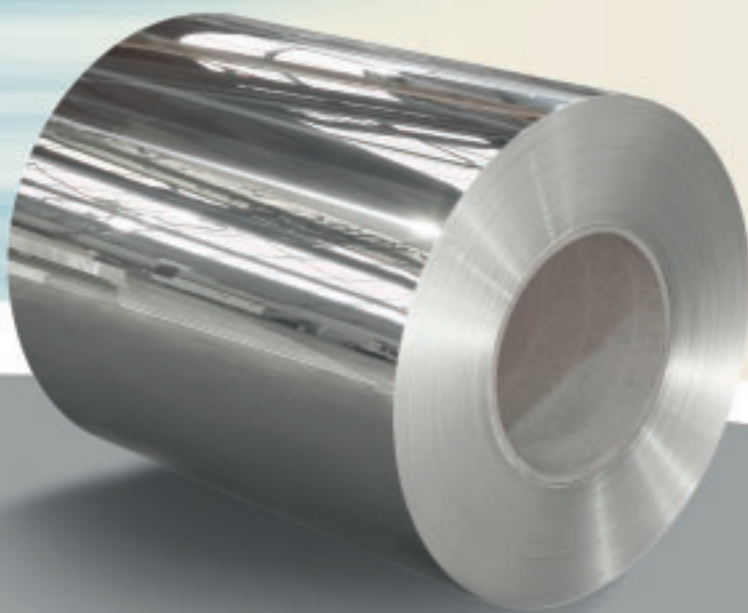


# bright products

## bright products

Bright products and products for surface anodizing are manufactured in Alicante (Spain) and Castelsarrasin (France). These two plants are European leaders in speciality products, experiencing rapid growth in areas such as lighting, cosmetics, automotive and decoration. The great popularity enjoyed by these products is due to their unbeatable response to bright and anodised surface treatments. In addition, their metallurgical structure enables the drawing and forming required by customers' demanding applications. This is achieved through the use of very sophisticated manufacturing technology applied to high purity alloys.



## bright products technical data

	Cosmetic Packaging	Decoration	Continuous Anodizing	External Lighting	Internal Lighting
<b>Alloys</b>	EN AW-1050 EN AW-3003 EN AW-5005 EN AW-8011 EN AW-5657	EN AW-1050 EN AW-1080 1085A <sup>1)</sup> EN AW-1085 EN AW-1090	EN AW-5005 EN AW-1080 1085A <sup>1)</sup> EN AW-1085 EN AW-1090	EN AW-1050 EN AW-1070 EN AW-1080 1085A <sup>1)</sup>	1200/1199 clad <sup>2)</sup>
<b>Surfaces</b>	Mill finish Brillo Industrial Commercial Bright Fini Brillant	Brillo Industrial Brillo Fini Brillant Grand Brillant	Mill Finish Brillo Industrial Brillo Fini Brillant Grand Brillant Semi Specular	Mill Finish	Fini Brillant Grand Brillant
<b>Tempers</b>	H2X	H18, H26	H16, H18, H26	O	H18, O
<b>Thickness (mm)</b>	0.3 - 1.0	0.3 - 1.0	0.2 - 1.0	0.8 - 2.0	0.5 - 1.2
<b>Width (mm)</b>	24 - 1500	46 - 1250	810 - 1250	250 - 1500	46 - 1250
<b>Product form</b>	Strip	Strip, Sheet	Strip	Strip	Strip, Sheet

Other material specifications and dimensions may be available, subject to enquiry.

1) 1085A is a high purity alloy designed specifically for bright applications.

2) Core material EN AW-1200 clad with 15% or 20% AA 1199.

Surface finish	Brillo Industrial	Brillo	Commercial Bright	Fini Brillant	Grand Brillant	Semi Specular
<b>Specular Gloss<sup>3)</sup></b>	45%	70%	65%	75%	75%	50%

3) According to DIN 67530, ASTM D523 and ISO 2813 standards, measured at 20° with reflectometer in rolling direction. These values show guaranteed minimum gloss on raw samples in hard temper. They can vary strongly dependent on alloy, temper and dimensions.

## SURFACE QUALITY

All our surface finishes – from Mill Finish to Grand Brillant – are appreciated for their uniform appearance. Brillo, Fini Brillant and Grand Brillant surfaces reach specular gloss values from 72 % up to 85 %<sup>3)</sup>. All respond excellently to further surface treatments such as brightening, anodizing or lacquering.

## FORMABILITY

In addition to surface finish and reflectivity, many applications such as cosmetic packaging and reflectors demand material with optimised mechanical properties. Alcoa provides aluminium alloys with metallurgical structure and mechanical properties to meet the demands of our customers forming processes, which include drawing, deep drawing and spinning.

## CERTIFICATION

- ISO 9001 – Quality Standard
- ISO 14001 – Environmental Standard

Our products comply with FDA and European directives regarding the use of aluminium in contact with food, cosmetics and pharmaceuticals.

## PACKAGING AND SURFACE PROTECTION

Vertical or horizontal packing, pallet or case. Products can be delivered with surface protection such as paper interleave or plastic film.