

Global Rolled Products



## Alcoa Closure Sheets



Alcoa. Advancing each generation.

# A range of quality alloys for a variety of applications

Alcoa produces a range of quality alloys and tempers for a wide variety of closure applications from liquor, spirits, wine and water to olive oil.

Alcoa Closure Sheets have superb deep-drawing capabilities and lacquer adhesion, guaranteeing the highest quality printing of drawings and designs, giving an impressive finish.

Strict compliance with the ISO 9001:2000 quality procedures ensures consistent quality. All of our Closure Sheets are produced by our fully-integrated production line in Alicante Spain.

## Quality assured

The sensitive surface nature of closure sheets makes it imperative that our Alicante plant is a Centre of Excellence when it comes to critical points in surface design. As a result, every sheet produced is guaranteed complete sheet flatness to allow for excellent results when lacquering. We strongly believe that the superior quality of Alcoa's products is key to enhancing our customers' productivity.

Alcoa Closure Sheets are suitable for both transparent and non-transparent lacquering, and will not bend during the curing process. For applications requiring deep drawing, such as long caps, our sheets show very low earing, greatly reducing scrap rate for our customers.

It is these quality characteristics that allow Alcoa to proudly work with major closure manufacturers on five continents, across all product ranges: wine, spirits, water and olive oil.



## Centre of Excellence

Best-practice technological capabilities enable our Alicante plant to produce superior quality aluminum closure sheets. The closure production is integrated in Alicante's specialised rolling system, providing products for packaging, bright and decoration markets. At the heart of this technology is a continuous heat treatment and surface finishing line for aluminum strip, which combines all necessary production steps to ensure that closure sheets leaving the Alicante plant are perfectly prepared for further processing by our customers. Continuous annealing, tension leveling, conversion coating and electro-static protection ensure superior behavior in elongation and adhesion and a perfect condition for lacquering and drawing.

## Continued innovation

Thanks to our strong relationship with CINDAL, our world class aluminium research centre, and the highly experienced and trained people working there, Alcoa is able to help our customers develop innovative products.

Many of our existing customers have reaped the rewards of this partnership. One of our more recent innovations led to the development of a special bright finishing surface for closures, resulting in completely new and exciting possibilities in design.

## Our history of expertise

Our expertise in mining, refining and smelting, as well as producing primary and fabricated aluminium, makes Alcoa the world's leading producer of aluminium. Alcoa's unique metal integration, ensures a stable ongoing supply chain.

Due to the strategic role of closure sheets in Alcoa's product portfolio, long-term relations and partnerships with our customers are of utmost importance. It is the combination of many years of experience in the production of closure sheets, and the superior continuation of supply that makes Alcoa a stable and reliable partner for your business.

## Sustainability for future generations

Aluminium is almost endlessly recyclable and recycling saves 95% of the energy it would take to make new metal. It is this sustainability, combined with practical and economic advantages, that makes aluminium the first choice for closure products.

Aluminium closures are secure, reliable and guarantee the integrity of the product - whether carbonated or still. Compared to alternative products, for example corks in wine bottles, screw caps offer a far more consistent solution without affecting the quality of the product. It is this reliability that results in less returns for our customers, resulting in maximised profit margins.

All our products are present in both European and global markets.

## Closure Sheet Capabilities

Alloys	1xxx, 3xxx, 5xxx, 8xxx
Tempers	H1x, H2x, H3x
Thickness Range (mm)	0.15 - 0.4
Width Range (mm)	760 - 1200
Length Range (mm)	450 - 2200*
Finish	Mill Finish Fine Mill Finish Bright
Qualities	Electrolytically degreased Leveled Conversion coating (7-50 mg/m <sup>2</sup> per side)
Other alloys upon request	
Sheets are protected by a smooth electrostatically applied DOS oil film of 4-15 mg/m <sup>2</sup> per side	

\* Length between 1250 and 2000 mm upon request

Alcoa GmbH Global Rolled Products,  
Heinrichstrasse 24, 40239 Düsseldorf, Germany  
T: +49 211 4711 0 F: +49 211 47 111 90  
W: [www.alcoa.com/grp](http://www.alcoa.com/grp)