

Astro Anodising offers superior anodising services to manufacturers using aluminium in the production of their end products as well as customers requiring anodising for bespoke projects. We offer the largest selection of colours and finishes available in South Africa. We are also proud of our capability to anodise work in sizes ranging from small parts or machined components up to lengths of 7,5m.

Services include:

- Extrusion Anodising
- Sheet Anodising
- Chemical Brightening
- Component Anodising
- Architectural Anodising
- Specialised Jigging
- Mechanical Polishing
- Mechanical Brushing

Standard colours

Our standard colour range includes natural, black, silver, brass, gold, blue, red, orange, green, champagne, bronze 1, bronze 2, bronze 3, bronze 541, bronze 542, bronze 543 and bronze 545. Standard colours are available in either bright or matt options for components up to 3m in length with the exception of green, which is only available for components 500mm x 500mm in size.

Architectural

Anodising up to lengths of 7,5m in natural finish or a choice of colours. Thickness specifications: 15 or 25 microns (μm). Natural anodising is an excellent pretreatment for paint or powder coated finishes.

Semi Architectural & Brightening

Sizes ranging from 1m up to 3,35m in length. A wide selection of colours are available in either a matt or bright finish. Full size sheets (3m x 1,5m) are also available in a natural finish. Smaller sizes are available in specific colours.

Components

We offer anodising for a wide range of aluminium components. Purpose designed titanium jigs are used to limit contact marks. Job specific jigs can be manufactured for volume based work.

ISO 9001:2015

Astro Aluminium have implemented and apply a quality management system which is in compliance with the requirements of ISO 9001:2015.



Astro Powder Coating specialises in superior powder coating services for aluminium and steel including components as well as lengths up to 3,8m. We are able to provide a wide range of standard colours available for internal and external applications and can accommodate special colours on request.

Services include:

Extrusion Powder Coating & Component Powder Coating

Pretreatment for Small Components

Powder coating provides greater protection and a more aesthetic finish for aluminium. Powder coating also reduces susceptibility to damage, rust and corrosion. This in turn, increases a part or components lifespan and range of use. To do all of this, it is imperative to follow the correct pretreatment process to ensure the surface is clean and so the powder coating process is effective.

Tumbling Pretreatment

Aluminium and Steel in small quantities and sizes

Tumbling is a process that is used when small components are placed in a circular vibrating drum that is filled with abrasive beads. This process is used to remove any unwanted material particles from the original component and polishes the surface providing a smooth finish to the material.

Sandblasting Pretreatment (Bead Blasting)

Aluminium and steel

Bead blasting is an abrasive cleaning process that involves smoothing and cleaning aluminium or steel. This process ensures the surface finish isn't impaired by marks or contaminants which can range from small scuff marks, to paint, rust and unwanted material on the surface. Bead blasting can also remove paint and rust from the surface of the material before, and ensure it retains its durable finish after anodising or powder coating.

Soda/Vapour Blasting Pretreatment

Aluminium only and up to sizes of 800mm x 800mm x 800mm

Soda blasting or vapour blasting is a non-abrasive cleaning method for aluminium and is particularly effective at removing things such as light rust and old paint. This process can also be used to improve the overall quality (appearance) of the material.

