

The B.A.T. Trims range consists of an array of different metals and plastics, thus extending into a wide variety of surface finishes.

Surface finish is largely dependent on the desired end appearance of the product, and the application, whether it be in a commercial environment where hard wearing and resilient finishes are required, or in a domestic or non-commercial environment where aesthetic appearance holds more importance.

Apart from B.A.T. Trims' trims being manufactured in the standard raw finishes of Aluminium, Brass, Stainless Steel and PVC, the following finishes are available.

- Polished
- Anodised
- Powder Coated
- Chrome Plated
- PVC Combat Coating

Polishing

Polishing metals is a process that is undertaken for both as a surface "finish" and also prior to other processes to ensure more consistent and better results.

A large option of appearances can be achieved, from various grades of finished/brushed through to a bright/reflective finish.

Anodising

Anodising is an electrochemical process that thickens and toughens the naturally occurring protective oxides in Aluminium surfaces.

Simply put, all Aluminium has a natural resistance to corrosion, by surface sealing itself during the corrosion process. Anodising utilises and accelerates this naturally occurring process under controlled conditions, toughening the surface seal into a corrosion resistant layer on the surface.

Depending on the level of protection required, the anodic layer can be varied in thickness - in effect, the thicker the layer, the greater the protection. Additionally, because anodising is a chemical process, it ensures an even coverage of all surfaces of the Aluminium, including corners whereas processes such as Powder Coating may not.

Anodic coatings are generally much stronger and more adherent than most types of paint and metal plating, but they are generally more brittle which makes them less likely to crack or peel from ageing and wear, but more susceptible to cracking from thermal stress.

Anodised surfaces are still susceptible to potential damage from both high and low pH chemicals, which results in stripping the coating and corrosion of the substrate.

The anodic coating, or anodised layer; although becoming part of the metal, has a porous structure which then allows secondary processes such as colouring or dyeing.

Powder Coating

Powder Coating is a painted finish which protects and decorates Aluminium. Powder is applied using electro-static spray equipment and then oven baked at approximately 210°C.

Powder Coating is a surface coating that completely covers the metallic appearance of the substrate. Powder Coating offers a vast range of colour options, whether you are complimenting or contrasting surrounding fittings.

Chrome Plating

Chrome is the shortened/slang word for Chromium, one of the naturally occurring chemical elements. It is a metal, however, as a stand alone metal, it is not a useful substance and not normally used in a pure form.

Chrome Plating is where Chromium is often used. This invariably means a thin plating/layer is applied to another substance. Typically, B.A.T. Trims products treated in this particular way are Brass.

It is not always easy to identify Chrome Plating from other finishes. Chrome Plating however is more reflective, less pale, and holds a deeper reflection - like a mirror.

Chrome is applied by electroplating and there are two different applications for Chrome Plating - Hard Chrome (Also known as industrial or engineered chrome) and Decorative Chrome (also known as Nickel-Chrome Plating).

Decorative Chrome is designed to be aesthetically pleasing and durable and this is the process used by B.A.T. Trims. A bright Nickel Plating layer is applied before the Chromium layer to provide a smooth finish and to increase corrosion resistance and reflectivity. The Nickel is what makes Chrome silver like in appearance. The Chromium layer is then applied and helps protect the Nickel and creates the luster that we all know as a "Chrome" finish.

PVC Combat Coating

PVC Combat™ Coating has been developed specifically for B.A.T. Trims. Combat™ has a superior high gloss finish, is UV stable and has IONPURE® Antimicrobial protection.