



## Aluminium curtain walling restoration

**BROMOCO Systems** provide possibly the only successful long term solution to restoring aluminium finishes in situ, and produce ALL the products required to deep clean, prepare, restore and protect all elements of curtain walling and cladding. The only other long term solution has been to replace or remove, strip, recoat in the factory and refit.

**BROMOCO Systems** offer an onsite process that will return the colour and finish back to its original state whilst providing long term protection from re-fade and corrosion, due to the **EVB23309E** finishing hard coatings built in U.V blockers and antioxidants.

**EVB23309E** is a hard coating 5 to 7 microns thick with a scratch resistance equal to the original protective surface. It is resistant to airborne pollution, acids, bleaches and bird droppings. **EVB23309E** is guaranteed not to crack, peel or yellow resulting in long term durability. **EVB23309E** Protective Coatings will bring back the colour and lustre of old, faded metal and will protect from the damage that the sun, salt air, acid rain, moisture and other damaging elements can cause. **EVB23309E** also restores the original colour, lustre and shine and is maintainable indefinitely

There are some products that claim to restore the finish such as waxes, silicones and nano coatings that provide a film protection, but no protection from U.V. and there effects are very short term as shown below.

### Painting Aluminium

Painting is just not a viable or economical solution. If paint is correctly applied the preparation and application process is extremely time consuming and costly. The results of the paint finish can often be unacceptable and will fade over time.

*Painting is just not a viable or economical solution.*



*The results of a paint finish can often be unacceptable (above) and will fade, chip and crack over time*

## Wax, Nano-coat or silicon “WNS films”

We have conducted several tests previously on WNS films and have found them to provide NO form of protection against UV or oxidization and have a very short life span (Usually one summer). These products also shrink, stain and chalk the surface and in most cases are extremely difficult to remove especially after they have been baked on. As a result of our testing we **strongly advise against** the use of these products on **external facades, cladding and curtain walling components**. However these products may be ideal for polishing internal surfaces that are not exposed to the elements. The wax based films are extremely soft and remain sticky for some time and when heated in the sun attract dirt particles to stick to the treated surfaces. We also found that a good quality finish on larger areas such as cladding panels was almost impossible to achieve as the soft films exhibited swirls and wipe marks.



Above shows example deterioration of wax based coatings after only a short period on time (1 summer)

**Bromoco Systems** has developed and produce bespoke solutions to treat all Aluminium finishes as laid out below.

1. Anodized
2. Powder Coated
3. Bare or mill finish

**BROMOCO Systems** have developed and produce a bespoke system of restoration for each of these finishes, using our in house engineered specialist deep cleaning and preparation products used prior to the application of **EVB23309E**

# Anodized Aluminium

## Anodised aluminium specialist restorative clean

Brown and bronze anodized colours are some of the most popular



*Before treatment the anodized finish has lost its lustre*



*After the **BROMOCO Systems** process*

Silver or clear anodized finishes were very popular 25 to 30 years ago



*Before treatment the appearance is grey and matt*



*After the **BROMOCO Systems** process the shine is returned*

# Powder Coated Aluminium



Before bloomed



Colour Restored



**EVB23309E** Protective Coating has extra UV Blockers and Anti-Oxidants in it to prevent chalking, fading, oxidation and corrosion and is graffiti resistant.

Sealed surfaces are clean up easily with mild soap and water.

Metals stay cleaner longer, show less fingerprints and will be much easier to maintain with less effort and time.

**SATIN FINISH** - Some painted metals look better without a gloss finish but still need protection. **EVB23309E** is also available in a Satin Finish. A Satin Coating can dull the shine on overly shiny metal.

## Bare or Milled finishes

Mill and bare finishes are relatively rare but can be found on buildings 25 or 30 years old. Due to the nature of the rough surface the level of contamination is generally high. Correct deep cleaning prior to coating is therefore essential. Bromoco Systems provide a bespoke solution for the deep clean and preparation of this surface. Only when the surface has been deep cleaned to a satisfactory level can the application of **EVB23309E** completed.



Milled or bare aluminum surfaces coated with **EVB23309E** are fully protected and sealed resisting dirt ingress and repelling water.

For further information please visit our website [www.bromoco.co.uk](http://www.bromoco.co.uk)