



# Superior Aircraft Protection with AGLaze

A NEW range of aircraft detailing products are now available in New Zealand. Most significant of the AGLaze range is their Surface Sealant which is certified to the standards required by Boeing, Airbus and BAE Systems for application on their aircraft and has been used for more than 15 years to protect and maintain the appearance of aircraft paintwork by several well known airlines. AGLaze is also used by Police and rescue services around the world as well as many private aircraft owners. In recent wind tunnel testing by the Aircraft Research Association, AGLaze surface protection has been proven to reduce aircraft drag, even on brand new unweathered paint finishes.

## AGLaze Surface Sealant

Exclusive New Zealand AGLaze Aviation Applicator, Chris Auret from Aircraft Detailing NZ explains that AGLaze Surface Sealant is much more than a traditional 'polish'; "As the AGLaze sealant cures, it bonds to the paint substrate creating an ultra thin, and uniform layer of protection. This new smoother finish no longer provides a 'key' for dirt particles to stick to and is much more water repellent. The smoother surface has less drag and so the flow of air across the surface is also improved. In addition the sealant also contains specialist UV absorbers which absorb UV rays and release them as harmless infra red, preventing UV damage to the treated surface."

Chris says the sealant is neither a polish nor a wax, rather; "it is a blend of polymers and UV absorbers that ensure full protection against ultra violet light and fading. The sealant is completely safe on all plastics, rubber, chrome and stainless steel and does not leave behind any white marks or dust. AGLaze also extends paint life, offering protection from extreme temperature and weather changes. As dirt particles are less able to stick to the surface, paint is easier to clean and more resistant to a wide range of pollutants – once the glaze has been applied, insects, bird droppings, and other contaminants can simply be wiped off with a damp cloth."

## Proven Drag Reduction and Fuel Savings

AGLaze have proven that their system reduces fuselage drag, having put the process through wind tunnel testing in order to demonstrate fuel savings for commercial aircraft.

In late 2011, in partnership with Airbourne colours, AGLaze began a six month test using one of BMI Baby's Boeing 737-300's equipped with Boeings Airplane Performance Monitoring system. The result of this test showed an airframe improvement of 0.8%, from which has been calculated a 161 tonne fuel saving per year for this AGLazed aircraft.

In May 2012, AGLaze Surface Sealant was tested in the Aircraft Research Association's transonic wind tunnel (in the U.K.), on their Z146 civil reference model. This test supported the previous findings and also demonstrated the product could reduce drag on a brand new smooth and unweathered paint finish. Airbourne Colours painted the wind tunnel model such that the surface would

match that of a new commercial airliner as closely as possible.

The tunnel was then run at Mach 0.8 for just the painted model, then again with AGLaze applied. Analysis of the results showed an average profile drag reduction of 1.3%, after the application of AGLaze to the painted surface of the model.

## The AGLaze Product Range

As well as paint cleaning and sealant, more than 20 additional AGLaze products are available, covering the full detailing spectrum from leather, vinyl and fabric cleaners, plexiglass restoration and cleaning, aluminium, chrome and stainless cleaner/polishes, through to a silver ion based, non allergenic air purifier that eliminates smells and bacteria.

Do-it-yourself AGLaze kits are also available, consisting of aviation shampoo, preparation, sealant, application cloths and instructions. Firstly the aircraft is washed to get it as clean as possible. The preparation compound is then rubbed over the paintwork, preparing it for the glaze sealant and removing any stubborn stains. Two coats of sealant are then applied.

Customers often perceive that there won't be enough glaze to cover their aircraft but a little goes a long way (2 litres are all that is required to coat a Boeing 747) and one application will typically last a minimum of 12 months on frequently used aircraft.

## Aircraft Detailing NZ

AGLaze have appointed Aircraft Detailing NZ (ADNZ) as their exclusive partner in the NZ aviation sector. Chris Auret (who has a professional background as an aircraft engineer) and his team at ADNZ are now offering the full spectrum of exterior and interior aircraft care with AGLaze products in Auckland, North Shore, Ardmore, Hamilton and Napier. Aircraft Detailing NZ are also authorised CorrosionX applicators. Contact Chris on 021 262 2272 or visit [www.adnz.co.nz](http://www.adnz.co.nz) More information on the range of AGLaze aviation products is available from Tom Mueller on 09 438 8800 or visit [www.aglaze.co.nz](http://www.aglaze.co.nz)



Tested in the Aircraft Research Association's transonic wind tunnel, AGLaze has been proven to reduce drag even on brand new unweathered paint finishes.




**We enhance and protect your asset. Authorised CorrosionX Applicator**

**Specialist Cleaning and Valet Services for all sizes of Fixed and Rotary Wing Aircraft including Leather Care and Anti Corrosion Treatment.**

**Invest in your aircraft's future value and in your own peace of mind.**

Contact Chris 021 262 2272      [www.adnz.co.nz](http://www.adnz.co.nz)