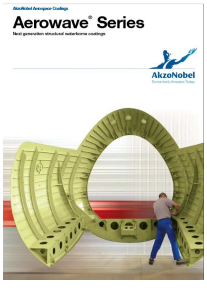
Eco-friendly coating solutions

Aviocom continuously endeavors to supply and promote alternative products with Best Achievable Technology (BAT), taking into account their impact on health, safety and the environment at each stage in their life-cycle: manufacture, transport, store, use, recycling and disposal.

Reducing the ecological footprint by offering solutions to our customers and the industry is feasible and successful through market driven innovation. Sustainability and eco-friendly coating solutions are integrated into the daily practices of Aviocom. Innovation and development projects are focused by AkzoNobel Aerospace Coatings on providing our customers with more eco-friendly products without compromising on performance or process times. The technology of today is focusing on the reduction of solvent emissions by developing high solids and waterborne coatings. Equally important is the reduction or elimination of chromates as corrosion inhibitive coatings by looking for alternative inhibiting technologies. Actual developments of more eco-friendly products developed by AkzoNobel and directly available from Aviocom are:



Aircraft structure interior parts

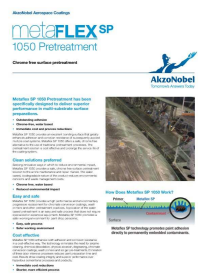
Aerowave© series:
These series of waterborne coatings are developed to protect aircraft structure interior parts.
With Aerowave© series solvent emission is greatly reduced in comparison to conventional interior structure coatings.

Aerowave© 2002 is also chromate free.

Aircraft exterior chrome free systems

Chromate free, corrosion inhibiting primers on metal parts: eliminating the use of chromates, while still offering a high level of corrosion resistance. Examples are

Metaflex© SP 1050. Surface preparation with water based Metaflex SP 1050 replaces the need for chromate conversion coatings, wash primers and other traditional and expensive toxic pretreatment processes.



Aerodur© HS 2118 CF. Chromate free, direct-to-metal (DTM) corrosion inhibiting primer with AMS 3095 approval in combination with Eclipse© or base coat clear coat system.

Aerodur© 2100 Magnesium Rich Primer for military application, use in combination with high solid topcoats 58-series or Aerodur© 5000 (MIL-PRF-85285). Click here...

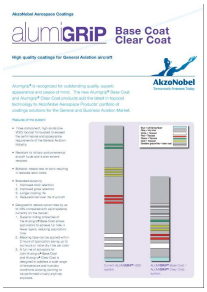
Aerodur© 2111 Chrome free Primer, developed for General Aviation and airline MRO application.

Alumigrip© 4001 Corrosion inhibiting chrome free primer surfacer, developed for General Aviation.

Base coat - Clear coat aircraft exterior systems.

These exterior paint systems greatly reduce solvent emissions, improve the life time of the coating system, while reducing the down time of the aircraft during application.
Examples are:

Aerobase© base coat - Aviox© clear coat system.
Officially qualified by Airbus and SAE AMS 3095 maintenance specification, in combination with the relevant primers.



Aerodur© 3001 base coat - Aerodur© 3002 clear coat system.
Qualified by Boeing, Embraer, Bombardier, AMS 3095 (SAE) as part of a system specification.

Alumigrip© 4400 base coat - Alumigrip© 4450 clear coat system.
Especially developed to meet the specific demands in maintenance of General Aviation aircraft.

Decorative colors general aviation

Alumigrip© 4250 in combination with Alumigrip© 4450 clear coat. These fast drying decorative colors for the General Aviation have a very low Minimum Order Requirement of just 1-ltr, with very short lead time of only 2 days.

This minimizes waste product and speeds up process time.

Cabin coating systems

Aerofine© series: This line of products is low VOC (or even zero VOC), chromate free, iso-cyanate free and waterborne, for interior usage in the aircraft cabin. They meet the smoke-emission, flammability, and heat release requirements of FAR / CS 25.853. Aerofine© sets the standard for minimum process times, reduced process cycle costs, and environmental care. The Aerofine series of products consist of:

Aerofine© Opti-Dur 8000 Sealer

Aerofine© 8250 Topcoat

Aerofine© 8110 Sanding Surfacer

Aerofine© 8888 Pinhole Filler

This list is by no means conclusive. A long range of high solid primers and topcoats have been developed for their specific application area. All top coats of AkzoNobel are free of heavy metal pigments like cadmium, lead, zinc or chromium.

While the listed products have proven to be more eco- friendly, they are still chemical substances. Good care should be undertaken at all times during logistics, storage, application and waste disposal. Please consult, understand and follow instructions of the available material safety data sheets prior to use of the product.

Further developments are undertaken continuously. For more information (TDS and/or MSDS) please consult your customer portal on our website, or call us directly today: +31 (0) 320-212 988