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System Options

Aerowave® 2001 - Primer

Designed for metallic and non-metallic substrates, inhibiting, chromated amine-cured epoxy primer that is an excellent, smooth surface ready for painting. easily mixed and applied for an extremely durable and fast-curing primer finish.

Aerowave® 2002 - Primer

Designed for composite substrates, this primer is a waterborne, two-component, non-corrosion inhibiting, chrome-free amine-cured epoxy that provides a flexible, smooth surface with remarkable adhesion along with the ease of soap & water clean-up.

Aerowave® 2500 - Pore-Filler

Aerowave® 2500 is the ideal pore-filler for composite substrates. This waterborne, non-corrosion inhibiting, exceptional sag resistance with a layer thickness of only chrome-free amine-cured epoxy filler is excellent for filling 15-20 µm (45-50 µm wet). tiny pore holes in composite substrates, ultimately providing a smooth, finish ready for painting.

Aerowave® Structural Next Generation Waterborne Coatings are designed to meet all of today's OEM structural maintenance requirements. For complete, up-to-date specifications please go to our web site at www.anac.com

Aerowave® 2501 - Stopper

Designed for filling larger holes, gaps or cracks in composite substrates, Aerowave® 2501 is a solvent-free, this primer is a waterborne, two-component, corrosion ultra-high solids (>97%) stopper that aids in preparing

Aerowave® 3003 - Primer/Topcoat

As a primer/topcoat for the interior structures of an aircraft, Aerowave® 3003 is a waterborne, two-component, chemical resistant amine-cured epoxy with good layer thickness control and a fast curing time no matter the method of curing.

polyurethane finish that is flexible and easy to mix and



A Better Choice for the Environment

The next generation Aerowave® Series also provides:

- Aids in complying with solvent emission regulations

Less weight on an aircraft = less fuel consumption

Less organic solvent (VOC) emissions

Reduction of hazardous materials

Up to 75% less chromates

Less paint consumption

Waterborne technology

Up to 20% less coating weight

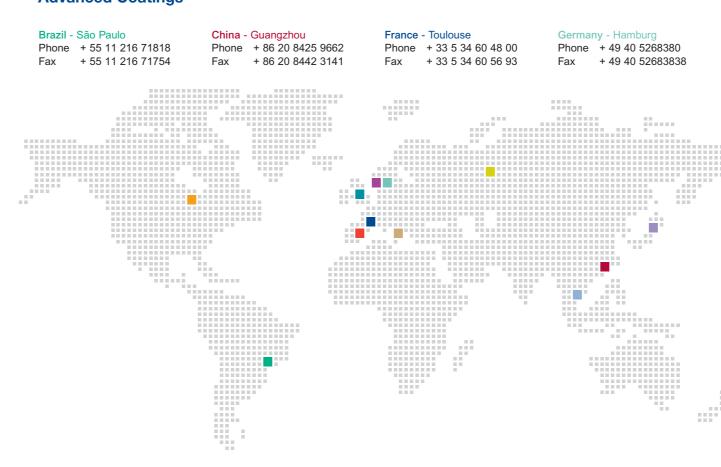
Safer for the environmen

Less waste

Ease environmental concerns with the low VOC, water-based choice that provides less application waste and the opportunity for less fuel consumption in service.







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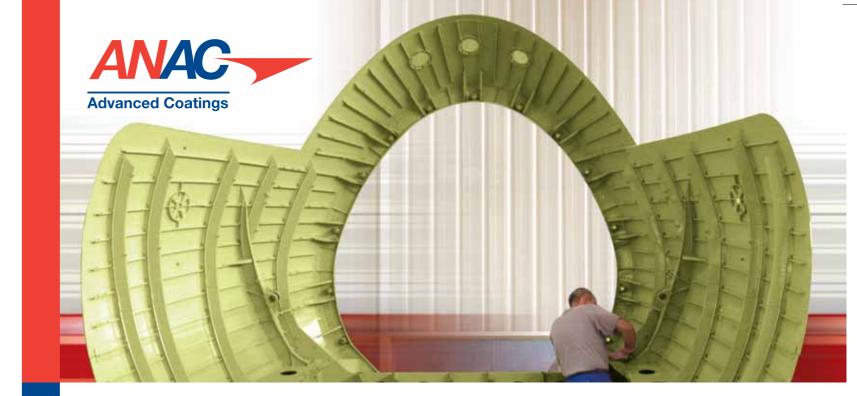
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Aerowave® Series Next Generation Structural Waterborne Coatings



















Most of the internal, structural parts of an aircraft are sealed into areas of the structure that will never be accessed again during the life of the airframe which can be as long as 30 years. As such, the materials used to protect these parts need to have exceptional chemical and corrosion resistance along with flexibility to ensure the integrity of the paint film as the aircraft flexes during flight.

The next generation Aerowave® Series of Structural Waterborne Coatings provides these features along with optimal process/application time for OEM's (Original Equipment Manufacturers) while simplifying the mixing process as well as providing the peace of mind that comes with a coating that can last more than 30 years. For application on both metallic and composite components, the complete Aerowave® Series system includes: Primer Topcoat Pore Filler Stopper

OEM's, their sub-contractors, and ultimately their customers (aircraft owners/airlines) greatly benefit from the Aerowave® Series next generation of Structural Waterborne Coatings.

OEM's and Sub-Contractors

Reduce process times and costs with:

- Optimized Curing TimeReduced Waste /Temperature Balance Consistent Quality
- Increased Industrial Opacity
 Simplified Mixing



Airlines/Aircraft Owners

- Reduced dry film weight
- A reduced film weight and increased industrial opacity allows for the opportunity of applying less material, which can reduce aircraft weight and, in turn, fuel consumption
- Increased Durability
- Less frequent repairs Reduces AOG time overall



Optimized Film Formation (Coalescence) Optimized Curing

Obtain better adhesion no matter

- what new substrate or pre-treatment. Better substrate wetting properties
- Good layer thickness control
- Better adhesion & flexibility
- Compatible with new substrates & pre-treatments Chrome-Free chemical conversion coating Chrome-Free anodizing process
- Consistent film properties during pot life
- Less sensitive to substrate contamination

Optimized Application

- Compatible with all conventional, plural, and next generation spray equipment Compatible with water-based
- electrostatic spray equipment
- Required layer thickness for some
- OEM's only 15-20 μm (45-60 μm wet) One closed layer at low film thickness
- Clean-up with water and/or solvent
- Excellent application performance in high/low temperatures/humidity

Exceptional sag resistance

- Fast curing at ambient conditions
- Dry to dust: 30-60 minutes (23°C, 73°F)*
- Dry to recoat: 60-120 minutes (23°C, 73°F)*
- Fast forced cure properties; chemical resistant 5 minute flash-off time, 30 minutes at object temperature of 60°C, 140°F)* - 5 minute flash-off time, 20 minutes at object temperature of 80°C, 176°F)*
- Equal performance whether air-dried or force cured
- *If optimal air movement is applied

Optimized Pot Life

- Less reaction during pot life due to independently stabilized base and hardener components
- Pot life up to 6 hours at ambient conditions
- Reduction of waste materials

Structural Waterborne Coatings are formulated to optimize process/application time, waste, and coating weight.



Reduced Process/Application Time

Technology The Next Generation Aerowave® Series of

Mixing preparation for first and second generation structural coatings is complicated, time-consuming, and can be expensive. Mixing at high and medium sheers requires constant mechanical agitation. This means investing in special mixing equipment. Additionally, the products are difficult to mix in two component spray equipment. This can lead to poor film formation and film faults. Higher sheer mixing can also lead to higher waste due to gelling. Moving to Aerowave® Series Next Generation Structural Coatings make mixing preparation easier with the ability to be mixed manually or automatically, a consistent quality with low or high shear mixing, a homogenous mixture during pot life, and only 2 components to mix versus 3 plus water with previous generation coatings.





















Next Generation

erowave® Series - Structural Waterborne Coatings







Optimized Mixing Properties

Former structural primers had a higher viscosity, which requires frequent mixing and additional solvent to prepare the paint for application. The next generation Aerowave® Series has:

- Extremely consistent shelf life no settlement
- The ability to be mixed manually or automatically (Plural mix spray equipment)
- Consistent quality with low or high shear mixing
- Homogenous mixture during pot life No need for additional water
 - Only 2-components vs.

traditional 3-4 component products

Superior Support

ANAC's various locations and vast number of distribution partners allow for fast delivery no matter where an aircraft is being built or repaired. High-quality technical support is also available for added convenience and peace of mind. To find out more about the next generation Aerowave® Series of Structural Waterborne Coatings, visit us on-line at www.anac.com or call your local ANAC representative.









