

Aircraft Corrosion Protection

High-performance corrosion protection of airframe structures and components



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Aircraft corrosion protection

Product	Description	Application	Film properties	Approvals and conformances
Corrosion inhibiting compounds				
Ardrox® AV 8	Super penetrating, water-displacing. Can be used as the first coat of a 2-coat system with Ardrox® AV 30 or Ardrox® AV 100D for heavy-duty corrosion control.	Spray, brush, dip	Firm, tack-free, transparent, brown	Airbus, Boeing, Bombardier, Cessna, Comac, Dassault, Embraer, Gulfstream
Ardrox® AV 15	Heavy-duty. Super penetrating, water-displacing. A single coat protection against severe environmental conditions.	Spray, brush, dip	Firm, tack-free, transparent, brown	Airbus, Boeing, Bombardier, Cessna, Dassault, Embraer, Irkut, Sukhoi
Ardrox® AV 25	General purpose. Can be used to protect movable components such as pulleys and control cables. Penetrating, water-displacing.	Spray, brush, dip	Soft, waxy, transparent, beige	Airbus, Boeing, Gulfstream, Irkut, Saab
Ardrox® AV 30	Heavy-duty. Penetrating, water-displacing. Can be used as the second coat of a 2-coat system with Ardrox® AV 8 for heavy-duty corrosion control.	Spray, brush, dip	Firm, waxy, almost tack-free, transparent, brown	Airbus, Boeing, Comac, Bombardier, Dassault, Embraer, Cessna, Gulfstream
Ardrox® AV 35D	Fluorescent effect. Ensuring excellent detectability on black composites. Super penetrating and water-displacing.	Spray, brush, dip	Firm, tack-free	Airbus
Ardrox® AV 35S	Heavy-duty, fluorescent effect, detectability on black components, single-coat application.	Spray, brush, dip	Firm, tack-free	Airbus
Ardrox® AV 40	Heat-resistant. Used in areas exposed to elevated temperatures such as engine components, pylons and cowlings. Can be applied to the exterior of the aircraft adjacent to APU exhaust systems where hot gasses are expelled.	Spray, brush, dip	Firm, tack-free, transparent, light beige	Dassault, Lockheed, Pilatus, Saab
Ardrox® AV 100 D	Thixotropic, heavy-duty. Use as the second coat of a 2-coat system with Ardrox® AV 8 for heavy-duty corrosion control.	Spray, brush	Firm, waxy, transparent, beige	Airbus, Boeing, Dassault, Goodrich, Gulfstream, Irkut, Messier-Dowty
Temporary protective coatings				
Ardrox® 305 N	Water-based acrylic, protective coating for aluminum. Providing protection from abrasion and oxidation during storage and shipment.	Spray	Glossy, hard, transparent gold	Airbus, Boeing, McDonnell Douglas
Ardrox® 321 N	Water-based acrylic, protective coating for aluminum. Providing protection from abrasion and oxidation during storage and shipment.	Spray	Hard, transparent green or orange	Lockheed, General Electric
Lubricants and corrosion protection				
Ardrox® 396/1E8	Temporary corrosion protective. It has excellent dewatering and penetrating properties. This film will impart good indoor corrosion protection.	Spray, brush, wipe	Thin, oily	Airbus Helicopters, CFM, French Ministry of Defence, Dassault Aviation, Messier-Bugatti-Dowty, SNECMA, Turbomeca
Ardrox® 398A	Multifunctional weapons lubricant, corrosion protective, water repellent.	Spray, brush	Thin, oily	NATO Code S-758
Ardrox® 3968	Excellent dewatering fluid for fresh or salt water, leaving a thin, oily film to protect metal surfaces.	Spray, dip	Thin, oily	CFM, General Electric, Pratt & Whitney, Rolls-Royce, Safran
Ardrox® 3971	Temporary corrosion protective, water displacing.	Spray, brush, flush, dip	Thin, oily	NATO C-634
Ardrox® 3705	Highly concentrated inhibitor for addition to rinse water tanks to stop flash rusting of ferrous components.	Additive to spray or dip rinses	n/a	Allison Gas Turbines, CFM, IAE V2500, Pratt & Whitney, Rolls-Royce

Full list of approvals available on request. Some products may not be available in every region.

Product	Description	Application	Approvals and conformances
Corrosion protection removers			
Ardrox® AV 980	A thixotropic neutral, biodegradable wax remover for removal of corrosion inhibiting compound films.	Spray, brush	Boeing
Ardrox® 6135 Thin	Airframe maintenance cleaner, removes CICs, oils, greases, chewing gum, tar, inks, adhesives, decals, tire marks and waxes. Can be diluted with water.	Spray, brush, wipe	AMS 1526, Boeing
Ardrox® 6489A	Temporary protective coating remover, thickened, zero VOC, ammonia free and ready to use.	Spray	Boeing
Ardrox® 7050W	Thickened alkaline liquid. Non-ammoniated. Easily rinses off with water. Non-crazing, and safe on all metals.	Spray, brush	Boeing

Equipment

Chemetal offers a comprehensive equipment range to assist with the application of corrosion inhibitors. For more information, please contact us and we will connect you with a specialist in your area.

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Add Chemetall to your flight plan

OEM's and MRO's – increase your productivity with our integrated portfolio of innovative technologies.



Chemetall offers a fully integrated, innovative and optimized portfolio of products and technologies for OEM's and MRO's. These solutions arise from our comprehensive understanding of the materials and requirements for specific Aerospace applications.

In addition to our globally active and locally based technical support, you can rely on our vast experience with commercial and military aviation. Collaborate with us to increase your process efficiency.

Our products and solutions provide:

- ⊕ Comprehensive material compatibility confirmed by third party validation
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- ⊕ Environmentally responsible solutions

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