

Aircraft Corrosion Protection

High-performance corrosion protection of airframe structures and components



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.
- ⊕ Major approvals and conformance.
- ⊕ Environmentally responsible solutions.

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Corrosion Protection

	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, and 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, and 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, and 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, and 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, and 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, and 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 BAC 5034-1, and 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 and 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, and 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, and more.
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, and more.

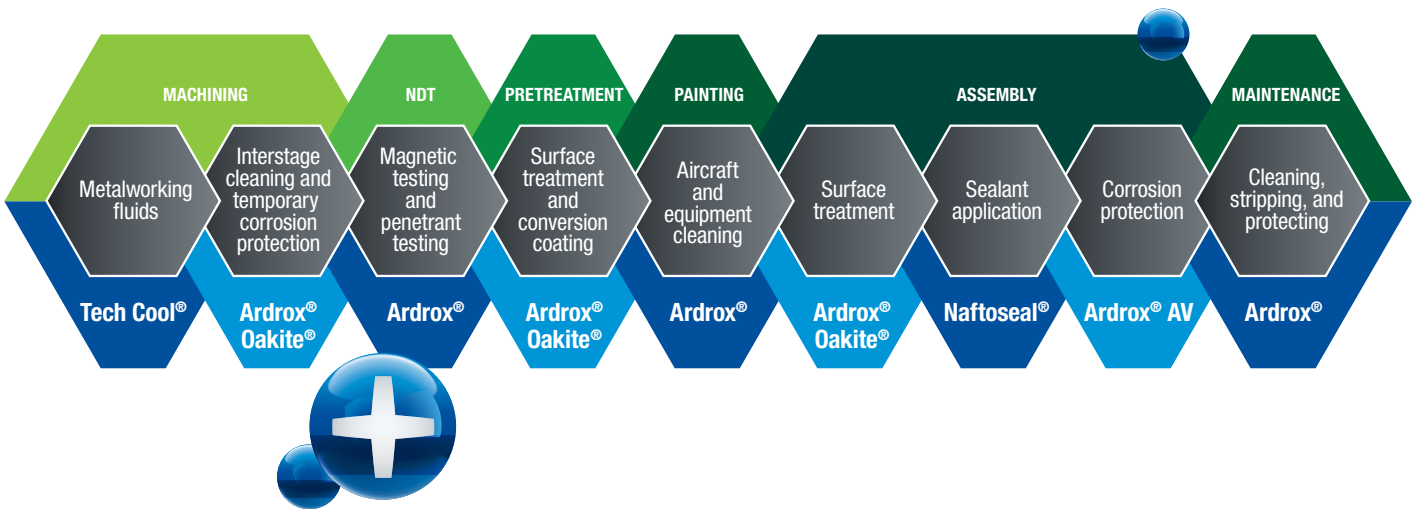
Not all products are available in every region. Full list of approvals available on request.

	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 and more.
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 and Boeing D6-17487.
Ardrox 6489A	Temporary protective coating remover, thickened, zero VOC, ammonia free, and ready to use.	Spray	Boeing BMS 15-12L (Type II).
Ardrox 7050W	Thickened alkaline liquid. Non-ammoniated. Easily rinses off with water. Biodegradable, non-crazing, and safe on all metals.	Spray, brush	Boeing BMS 15-12L.

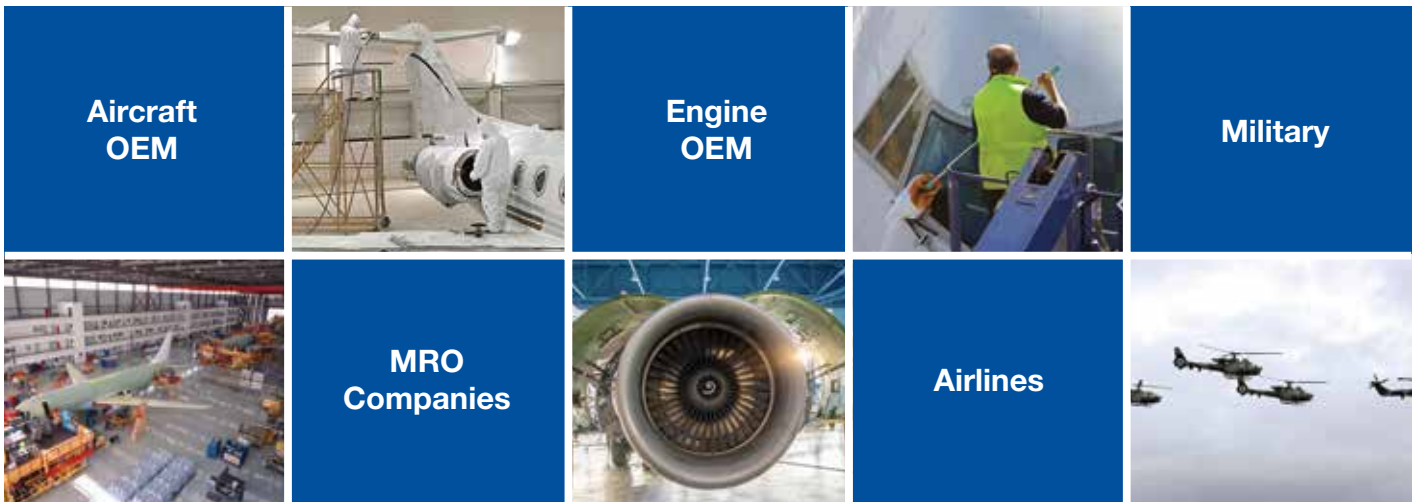
EQUIPMENT

Chemetall 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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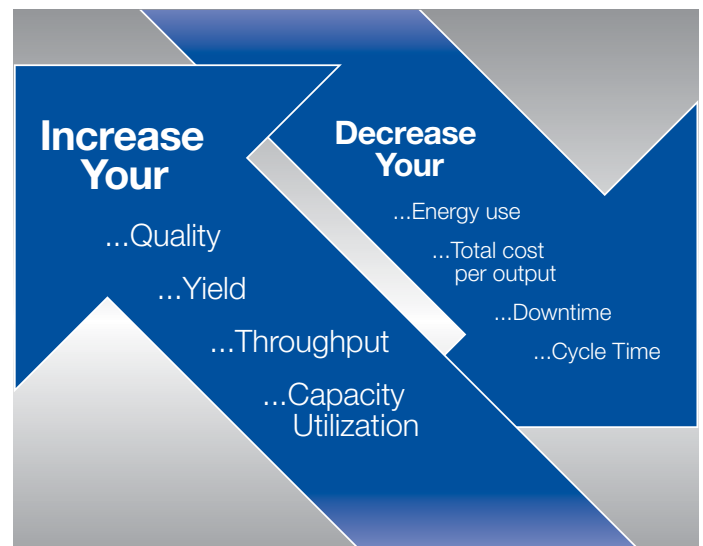
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