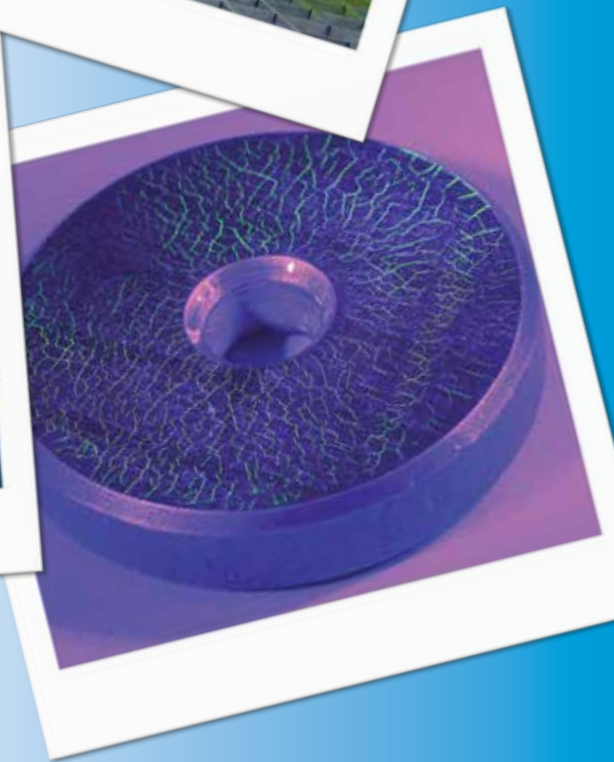


Ardrox®

Magnetic Testing and Penetrant Testing for Aerospace



Chemetall offers a comprehensive portfolio of Ardrox products for Non-Destructive Testing (NDT) for Aerospace. Our high-performance Ardrox specialty chemicals are specifically developed for aerospace applications. They meet the challenging requirements of national and international, civil and military aviation quality standards, including AMS, Boeing, CEN ISO, MIL, Pratt & Whitney, Rolls Royce, GE, and more.

Along with our local technical support and service, these products provide

- + High sensitivity level.
- + Low background fluorescence.
- + Crisp indications.
- + Ease of application.

■ - BASF
We create chemistry

Chemetall
expect more+

Ardrox

Magnetic Testing Products

Ardrox Non-Destructive Testing (NDT) for magnetic particle applications in the Aerospace industry.

	Appearance	Application	Conformances
UV-A/FLUORESCENT LIGHT			
Ardrox 8505 Fluorescent brown powder that offers high sensitivity detection of surface and near surface defects in ferromagnetic material.	Fluorescent brown powder	Disperse in base oil HF/Aerosol	AMS 3044, ASME
Ardrox 8506 High sensitivity fluorescent magnetic particles for the detection of surface and near surface defects in ferromagnetic material.	Fluorescent brown powder	Ready-for-use HF/Aerosol	AMS 3045, 3046, ASME
CARRIER OIL			
Ardrox Base Oil HF Light colored, high purity carrier oil for fluorescent and visible Magnetic Particle Inspection (MPI) applications.	Fluid	Ready-to-use	AMS 2641, ASME

Ultrasonic Couplants

	Appearance	Application	Conformances
UCA-2M The thixotropic, anti-corrosive and excellent wetting properties ensure free and even movement of ultrasonic probes over both rough and smooth surfaces with immediate and excellent acoustic transmission.	Water-based blue transparent gel	Ready-to-use	Airbus

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



Ardrox

Penetrant Testing Products

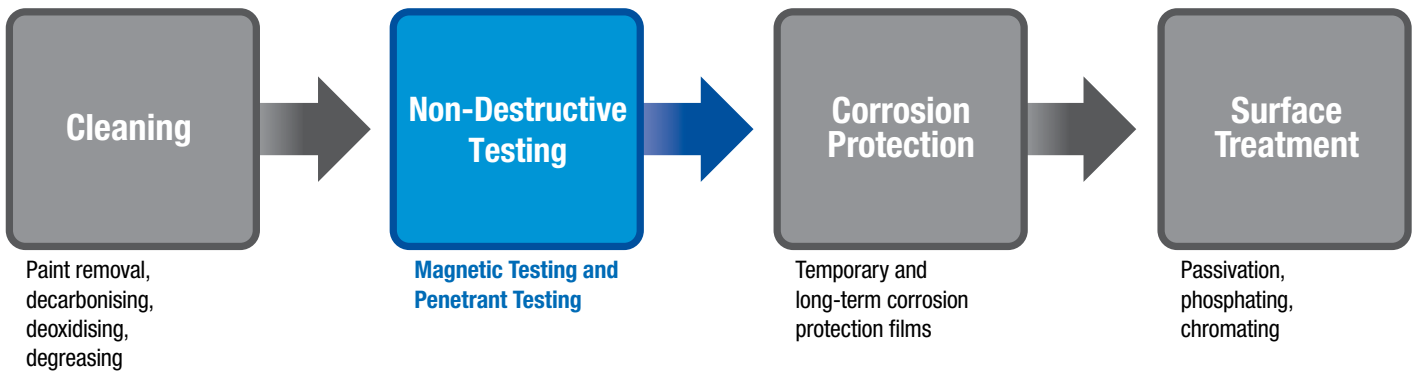
We offer a full portfolio of penetrants, cleaners, and developers for use on both metallic and non-metallic surfaces requiring visible and/or UV inspections.

	Penetrant			Remover	Developer	
	Classification	Sensitivity	Product	Product	Form	Product
Type I — Fluorescent	Method A — Water washable & Method C — Solvent removable	Level 1	Ardrox 9702	Water Ardrox 9PR5 Ardrox 9PR50 Ardrox 9PR88	Form a: Dry developer	Ardrox 9D4A PD3
		Level 2	Ardrox 9703 Ardrox 970P24E		Form b: Water-soluble	Ardrox 9D75
		Level 2+	Ardrox 9704		Form d/e: Non-aqueous	Ardrox 9D1B Ardrox NQ1
		Level 3	Ardrox 9705 Ardrox 970P25E			
		Level 4	Ardrox 970P26E Ardrox P136E			
	Method C — Solvent removable & Method D — Post emulsifiable	Level 2	Ardrox 9812	Ardrox 9PR5 Ardrox 9PR50 Ardrox 9PR88 Ardrox 9881 (Meth. D)		
		Level 3	Ardrox 9813			
		Level 4	Ardrox 9814			

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

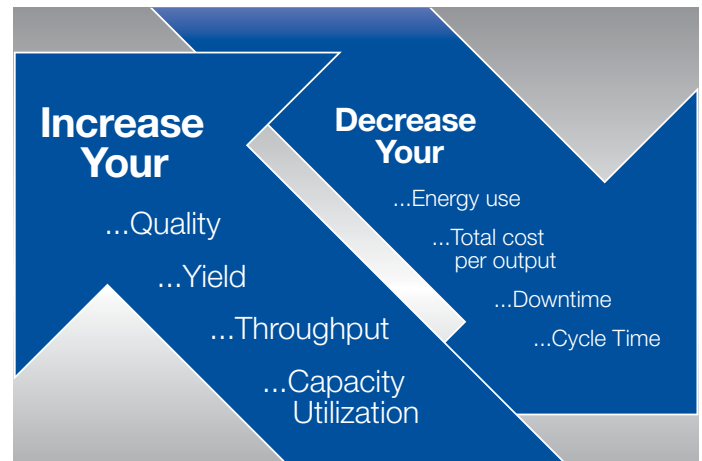


Maintain outstanding surface quality before, during and after the NDT process



Cut it. Clean it. Coat it. Control it. Conserve it.® with us!

We are the Surface Treatment global business unit of the Coatings division of BASF, operating under the Chemetall brand, a leading supplier of applied surface treatments and services for metal, plastic, and glass substrates in a vast range of industries and end markets. As process innovators, fully dedicated to your success, we develop, manufacture, and provide best-in-class technologies, systems, and expertise.



Chemetall is proud to serve you from the following locations

**Headquarters and
Regional Head Office
Europe, Middle East, Africa,
South America**

Chemetall GmbH
Trakehner Straße 3
60487 Frankfurt am Main
Germany
Tel: +49 (0) 69 7165-0
surfacetreatment@basf.com

**Regional Head Office
North America**

Chemetall US, Inc.
675 Central Avenue
New Providence, NJ
07974 USA
Tel: +1-908-464-6900

**Regional Head Office
Asia-Pacific**

Chemetall Asia Pte Ltd.
12 Loyang Crescent
Singapore 508980
Tel: +65 6885 7900

www.chemetall.com

The product information contained in this brochure has been compiled to the best of our knowledge on the basis of thorough tests and research work and with regard to the current state of our practical experience in the industry. This product information is non-binding. Our statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The user should undertake sufficient verification and testing to determine the suitability of the product for its particular purpose. We assume no risk or liability whatever in connection with any particular use, if not expressly confirmed by us in writing. Therefore, Chemetall grants no warranty and does not accept any liability in connection with this product information or its use. Except where noted otherwise, all registered trademarks are owned by Chemetall or its affiliated companies. The reproduction of any or all of the information contained in this brochure is expressly forbidden without Chemetall's prior written consent.