



Ardrox®

The Ardrox® brand is a well-established products range for the aerospace industry. It includes high-performance cleaner, pretreatment, paint stripper, corrosion protection and non-destructive testing (NDT) technologies.

In the aerospace industry the Ardrox® brand is worldwide acknowledged as the leading brand of cleaning technologies such as paint and scale removers, exterior aircraft cleaners, gas turbine engine compressor cleaners. The brand is also famously associated with materials for non-destructive testing, particularly its range of dye penetrants and magnetic inks, for finding surface defects. Paint strippers, corrosion inhibiting compounds and temporary protective compounds for both aircraft and aero engines in manufacture, maintenance, repair and overhaul rounds-off our broad portfolio.

Ardrox® - Innovative for more than 60 years

We know and have been solving the challenges in non-destructive material testing for more than 60 years. The first Ardrox® technology was approved as early as in the year 1948. Many innovative products have followed since then: for instance, as one of the first companies we introduced products free of the carcinogenic azo dyes. We are also one of the pioneers in the use of NPE-free penetrants. Benefit also from our new generation technologies, which are low odor and characterized by a high wetting ability, which can be easily washed off and have excellent background characteristics.

Our technology portfolio:

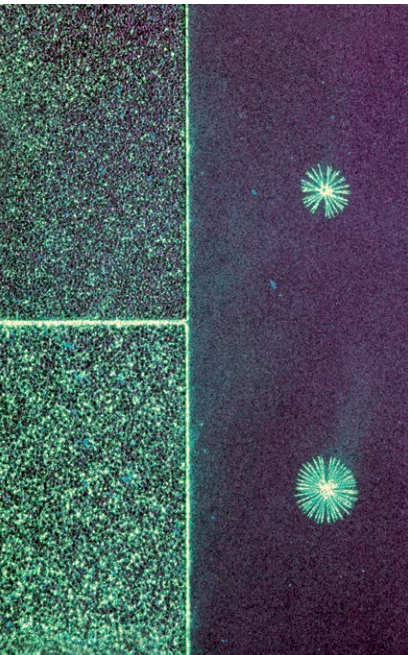
- Ardrox® cleaners
- Ardrox® pretreatment
- Ardrox® paint strippers
- Ardrox® and Ardrox® AV corrosion protection
 - Ardrox® non-destructive testing (NDT)

Industries we serve:

- Aerospace maintenance, repair and overhaul
 - Aircraft and aero engines manufacturing

Ardrox® – Penetrant Testing

More than 60 years of experience in non-destructive testing



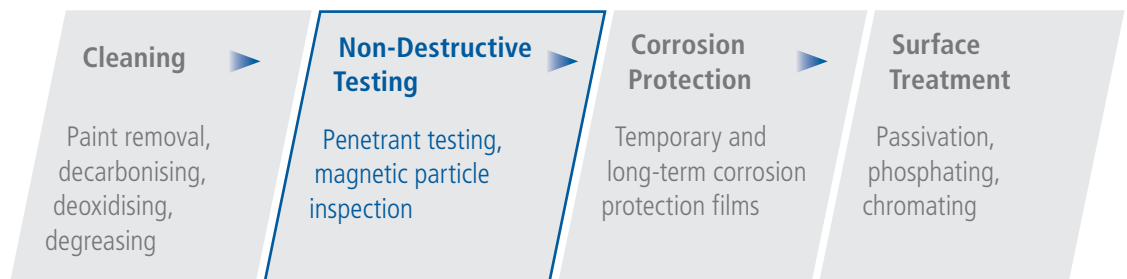
Advantages:

- + Complete product portfolio, all major approvals, all sensitivity levels
- + Low level of background fluorescence; crisp, reliable indications
- + Easy application, good washability
- + Eco-friendly (e.g. NPE-free products and water-based products)
- + Comprehensive equipment range
- + Local service and support

Applications:

























































































- + Penetrant testing for the detection of defects on metallic and non-metallic surfaces
- + Applications requiring inspection under daylight
- + Applications requiring inspection under UV(A)-light

Chemetall provides an extensive product portfolio for surface treatment prior to, during and after non-destructive testing. A comprehensive range of equipment for these applications and the reliable service of local Chemetall experts complete the product portfolio.



Ardrox® – Penetrant Testing

Chemetall's proven, high-performance Ardrox® specialty chemicals have been specifically developed for the aerospace industry and meet the demanding requirements of national and international industry, aviation and military quality standards which include AMS, MIL, EN ISO, Airbus, Boeing, MTU, Pratt&Whitney, CFM, GE, Safran, Rolls Royce.

1. Penetrant		2. Cleaner		3. Developer	
APPLICATION: Red					
<ul style="list-style-type: none"> Ardrox® 907 PB Ardrox® 996 PB Ardrox® 9VF2 (for red + fluorescent) 	     	<ul style="list-style-type: none"> Water* Ardrox® 9PR5 Ardrox® 9PR50 Ardrox® 9PR88 	     	<ul style="list-style-type: none"> Ardrox® 9D1B Ardrox® 9D4E Ardrox® NQ1 	     
APPLICATION: Fluorescent					
Water-washable					
<ul style="list-style-type: none"> Ardrox® 9702 (AMS-Level 1) Ardrox® 9703 (AMS-Level 2) Ardrox® 9704 (AMS-Level 2) Ardrox® 9705 (AMS-Level 3) 	    	<ul style="list-style-type: none"> Water Ardrox® 9PR5 Ardrox® 9PR50 Ardrox® 9PR88 	     	<ul style="list-style-type: none"> Ardrox® 9D1B Ardrox® 9D4A Ardrox® 9D75L** Ardrox® NQ1 	        
Water-washable/surfactant-based					
<ul style="list-style-type: none"> Ardrox® 970P24E (AMS-Level 2) Ardrox® 970P25E (AMS-Level 3) Ardrox® 970P26E (AMS-Level 4) 	  	<ul style="list-style-type: none"> Water Ardrox® 9PR5 Ardrox® 9PR50 Ardrox® 9PR88 	     	<ul style="list-style-type: none"> Ardrox® 9D1B Ardrox® 9D4A Ardrox® 9D75L** Ardrox® NQ1 	        
Post-emulsifiable					
<ul style="list-style-type: none"> Ardrox® 9812 (AMS-Level 2) Ardrox® 9813 (AMS-Level 3) Ardrox® 9814 (AMS-Level 4) 	    	<ul style="list-style-type: none"> Ardrox® 9881 in Water Ardrox® 9PR5 Ardrox® 9PR50 Ardrox® 9PR88 	     	<ul style="list-style-type: none"> Ardrox® 9D1B Ardrox® 9D4A Ardrox® 9D75L Ardrox® NQ1 	        
Water-washable/water-based					
<ul style="list-style-type: none"> Ardrox® 920A Ardrox® 9721 Ardrox® 9722 	  	<ul style="list-style-type: none"> Water 		<ul style="list-style-type: none"> Ardrox® 9D1B Ardrox® 9D4A Ardrox® 9D75L** Ardrox® NQ1 	        

 Aerosol
  Bulk
  Bag

* not for Ardrox® 996 PB
 ** not for tests according to ASTM E 1417

Chemetall 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. 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.