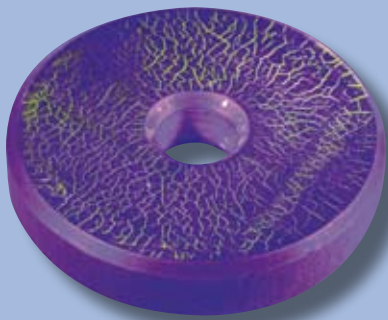


ARDROX® – Magnetic Particle Inspection

More than 60 years of experience in non-destructive testing



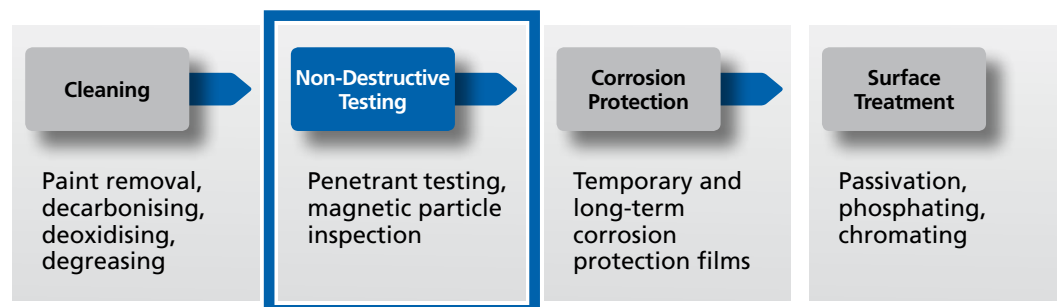
Advantages

- ✓ Complete product portfolio
- ✓ All major approvals
- ✓ High sensitivity levels
- ✓ Low background fluorescence
- ✓ Crisp indications
- ✓ Easy application
- ✓ Comprehensive equipment range
- ✓ Local service and support

Applications

- ✓ MT for the detection of surface and near-surface defects in ferro-magnetic materials
- ✓ Applications requiring inspection under white light
- ✓ 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®

ARDROX® – Magnetic Particle Inspection

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 Airbus Industrie, AMS, Boeing, DIN EN ISO, DTD, Lufthansa, MIL, MTU, Pratt&Whitney, Audi, Opel, Volkswagen etc.

Product	Description	Appearance	Application	Packaging	Approvals	Conformances
WHITE LIGHT						
ARDROX® 800/3	High-sensitivity inspection of ferro-metallic surfaces; inspection with and without white contrast-aid paint on blank metallic surfaces	Fluid	Ready-for-use (petroleum-based)		Rolls-Royce CSS231	
ARDROX® 8032	High-sensitivity detection of surface and near-surface defects in ferro-magnetic metals	Fluid	Ready-for-use (petroleum-based)			EN ISO 9934 Part 2
ARDROX® 8901W	White contrast-aid paint: suspension of white pigments in a fast-drying solvent system; provides an excellent contrasting white background when dark steels are being tested and inspected in daylight (e.g. with ARDROX® 8032)	Fluid	Ready-for-use		Rolls-Royce OMat264 V2500	BS 5044 EN ISO 9934 Part 2
ARDROX® 8903W	White contrast-aid paint: suspension of white pigments in a fast-drying solvent system; provides an excellent contrasting white background when dark steels are being tested and inspected in daylight (e.g. with ARDROX® 8032)	Fluid	Ready-for-use		Rolls-Royce OMat264	EN ISO 9934 Part 2
FLUORESCENT						
ARDROX® 8500	Fluorescent magnetic ink consisting of an iron oxide powder of finest particle size; for high-sensitivity detection of surface and near-surface defects in ferro-magnetic materials	Brown powder	Disperse in carrier oil		Rolls-Royce CSS231	AMS 3044E EN ISO 9934 Part 2
ARDROX® 8501	Suspension of a fluorescent iron oxide with the finest particle size in a high-flashpoint carrier oil with low aromatic contents; for high-sensitivity detection of surface and near-surface defects in ferro-magnetic materials	Fluid	Ready-for-use (petroleum-based)		Rolls-Royce CSS231	AMS 3045D AMS 3046E EN ISO 9934 Part 2
ARDROX® 8544	Water-suspendible, high-sensitivity, fluorescent magnetic ink concentrate; inhibited against corrosion of ferrous metals	Fluid concentrate	After dilution (3 %)			EN ISO 9934 Part 2
CARRIER OIL						
ARDROX® Base Oil HF	Carrier oil for magnetic particle inspection, both for fluorescent and visible MT applications	Fluid	Add magnetic particles			AMS 2641

