

Scope

Ardrox 800/3 is a ready-to-use high sensitivity black magnetic ink consisting of black iron oxide with a controlled, fine particle size, mineral oil and suspending agent in a high flash, low aromatic petroleum distillate.

Ardrox 800/3 is used for revealing surface and near surface defects in ferro-magnetic materials e.g. mild and low alloy steels.

Approvals

Ardrox 800/3 conforms to BS 4069 and is approved by Rolls Royce.

Method of use

Heavy deposits of grease, rust, scale and paint should be removed prior to inspection.

The component is then magnetised and the magnetic ink applied either by dipping, flowing or spraying. Chemetall PLC supplies a complete range of magnetising equipment from small portable to large bench units.

The component is inspected for defects in daylight or good artificial light. Defects will show as a collection of black particles.

In areas where it is difficult to see the black indications e.g., on oxidised or other dark surfaces, contrast may be greatly improved by applying a coating of Ardrox 8386W background lacquer prior to application of the magnetic ink.

Ardrox 800/3 is used as supplied without any dilution. Containers of Ardrox 800/3 must be thoroughly shaken to disperse the settled ink before use.

Effects on materials

When Ardrox 800/3 is used in the recommended manner no significant corrosion is likely to be encountered on any metal.

Some thermoplastics and certain rubbers may be softened or swollen with prolonged contact and intending users are advised to check the compatibility of such materials with the product.

Technical information

Appearance :	Readily suspendible powder in a colourless, mobile liquid,
Solids Content:	3.0 ml per 100 ml of ink,
Flash Point :	75°C.

These are typical values only and do not constitute a specification.

Storage Requirements: Store in a cool place.

Safety guidance

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

General information

Chemetall PLC supplies a wide range of chemical products and associated equipment for cleaning, sanitising, descaling, paint and carbon removal, metal protection and non-destructive testing. Sales Executives are available to advise on specific problems and applications.

Labour and environmental protection

All local and national regulations on the transport, storage, use and waste treatment of chemicals in concentrated or diluted form and as working solutions must be obeyed.

Further specific information on the products can be found in the EC Safety Data Sheets supplied. The user should also pay strict attention to information and hazard symbols shown on product labels.

Waste disposal

All waste waters must be treated in accordance with national legislation and local regulations prior to discharge to the sewer.

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