

Water-displacing corrosion inhibitor

1 General Description

Ardrox 3966 is a water-displacing product for temporary corrosion protection. Ardrox 3966 consists of a mixture of surfactants, corrosion inhibitors and mineral oils.

Ardrox[®] 3966 has extremely good spreading and penetrating properties. It also contains a volatile solvent and when this has evaporated, a very thin oil film remains which displaces water from the surface and gives temporary protection to the metal surface.

Approvals

✓ Airbus CML 12ABE2, I+D-N-11, TN A.007.10050 & TN A.007.1013

✓ CFM International

Ask your Chemetall representative for a complete list of approvals

2 Physical and Chemical Properties

Property	Unit	Typical Value	Test Method
Appearance	-	amber liquid	-
Density at 20°C / 68°F	g/ml	0.82	-
Flash point	-	> 38°C (>100°F)	-
Dry film weight	-	< 1 – 2 µm.	-
Coverage	-	50 m ² /L	-

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

3 Method of use

Ardrox[®] 3966 may be applied by any of the conventional methods such as brushing, dipping, spraying or swabbing. Dipping tanks should be constructed with a sloping or conical bottom. During use, water will accumulate at the bottom of the tank and should be periodically run off. Immersion times do not need to exceed five minutes and usually 2-3 minutes is adequate. Agitation of work in dipping processes should be avoided as this will tend to emulsify the displaced water.

4 Effects on materials

The product will not affect normal paint systems and is not corrosive to copper. It may cause some swelling of rubbers if they are continually immersed. However, if a thin film is applied, the effect will be minimal and will largely disappear as the solvent evaporates.

Mild steel is a suitable material for tank construction.

5 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.

6 Storage

Dry indoor storage at temperatures < 40 °C is recommended, away from any incompatible materials referenced in the Material Safety Data Sheets. All containers must be tightly closed when not in use.

7 Waste release

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

8 General information

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

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