Ardrox® 3140

LONG-TERM CORROSION PREVENTATIVE

1 Description

Ardrox® 3140 is a dark brown, viscous liquid, which contains film forming agents, antioxidants and corrosion inhibitors in a refined hydrocarbon solvent base. It dries through various stages forming first a tacky film, then a soft film and finally, when solvent evaporation is complete, a firm, rubbery film. The dark brown color of the coating enables those areas of incomplete or light coverage to be easily seen.

Ardrox® 3140 provides long term protection for raw materials, sub-assemblies and finished components, which are to be stored or used in corrosive environments.

Ardrox® 3140 provides a high standard of protection under conditions of high humidity and is therefore suitable for the protection of components, which are to be stored or transported in tropical climates. Coatings are resistant to rain and are therefore suitable for protection under conditions of outdoor storage.

Ardrox® 3140 is not resistant to severe mechanical abrasion but the fully cured coatings will withstand normal handling operations.

Other applications include the protection of structural box sections and paneled areas of all roads, rail, and sea transport vehicles. Ideally, when used in this way, Ardrox® 3140 should form part of a water removal and protection process. The first part of this process is the elimination of water and moisture films by application of Ardrox® 3968 and then, when solvent evaporation from these products is complete, Ardrox® 3140 is applied for long term protection.

Approvals
Ask your Chemetall representative for a complete list of approvals. Detailed information is available on the Chemetall website at: www.chemetall.com

2 Properties

Property	Typical Value
Non-volatile Content	Approx. 56 % by weight
Viscosity	Approx. 100 mPa*s at 23 °C (ISO2884)
Film Appearance	Firm waxy film

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

3 Application

Ardrox® 3140 may be applied by brushing, dipping, or spraying. Airless spray is a particularly suitable method of application.

Ardrox® 3140 may be applied as two or more successive coatings to produce a thicker protective layer. The first coating should be allowed to dry to the 'tacky' stage before applying the second.

4 Removal

Ardrox® 3140 can be removed with cleaning solvents (e.g. Ardrox® 5503, Ardrox® AV980, Ardrox® 6135T).

5 Storage, shelf life and disposal

Please refer to the corresponding Material Safety Data Sheets for details on shelf life, storage, and disposal.

6 Labor and environmental protection

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

7 General Information

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

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. 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 reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

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