

Scope

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 colour 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 panelled areas of all road, 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 3961 or 3962 and then, when solvent evaporation from these products is complete, ARDROX 3140 is applied for long term protection.

Chemicals required

ARDROX 3140

Method of use

ARDROX 3140 may be applied by brushing, dipping or spraying. Airless spray is a particularly suitable method of application. It should be noted that this product, in common with others of this type of protective, varies somewhat in viscosity from batch to batch. Batches having too high a viscosity for a particular method of application should be thinned with white spirit. Airless spray is usually suitable for applying the higher viscosity batches without thinning.

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.

ARDROX 3140 coatings may be removed with white spirit.

Effects on materials

When used in the prescribed manner ARDROX 3140 will have no significant effect on most materials of construction and will not affect good quality paint schemes. Some rubbers or plastics will swell to a small extent with prolonged contact but usually this effect disappears as the solvent evaporates.

Technical information

Appearance:	Dark brown, viscous liquid.
Viscosity:	Ranges from 60 to 120 seconds Ford B4 Cup at 20°C.
Density:	0.88 g/ml at 20°C.
Flash point:	38°C (Pensky Martens Closed Cup).

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

Equipment materials

ARDROX 3140 has no adverse effect on constructional metals. Mild steel is a suitable material for tank construction.

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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