

# Ardrox® 2320

## IMMERSION / SPRAY PAINT REMOVER

### 1 Description

Ardrox® 2320 is a di-phase aqueous blend of solvent, activators and corrosion inhibitor and removes a variety of organic finishes that will quickly remove most paint films from both ferrous and non-ferrous metals.

Ardrox® 2320 has the ability to remove most paint films as solid particles or “sheets” rather than dissolving them. This feature allows for easy removal of the stripped paint from the solution, it increases stripper life, and reduces overall costs. The formula is free of components such as chlorinated solvents or phenols.

#### Conformances

✓ ASME	ASTM F-519
✓ Boeing	BSS 7432
✓ Goodrich	CMM Part number 3-1588
✓ Messier-Bugatti-Dowty	PCS 2700 & SPM 32-09-01
✓ SAE	AMS 1374, 1375 & ARP 1755
Ask your Chemetall representative for a complete list of approvals	

### 2 Physical and chemical properties

Property	Ardrox®2320A	Ardrox®2320B	Unit
Appearance	Colorless liquid	Colorless liquid	-
Density	1,04	1,18	g/ml
Flash Point	96 / 205	Not applicable	°C (°F)

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

### 3 Method of use

Half fill the stripping tank with demineralized water. Add 10 % v/v, of the operating volume, Ardrox® 2320A. Add 5 % v/v of Ardrox® 2320B. Thoroughly agitate. Fill the tank to its operating level with demineralized water and thoroughly agitate the contents of tank.

In accordance with AMS 1375 and BSS 7432 the concentration of Ardrox® 2320A could be increased to 30 % to increase stripping performance for most stubborn paints.

#### 3.1 Immersion

Components to be stripped are immersed in the bath for periods generally up to 4 hours at temperatures from ambient to 55 °C (131 °F) depending on the nature of the coating. Solution agitation is required as the product is composed of two distinct layers that need to be mixed for effective stripping.

The components are then pressure water rinsed. Dry the components thoroughly using compressed air or an air recirculation oven at 60 - 80 °C (140 - 176 °F).

### 3.2 Spray

Components should be left in the spray machine for periods generally up to one hour at temperatures of ambient to 55 °C (131 °F). If possible, a two-stage spray machine should be used so the components can be water rinsed within the spray machine. If this is not possible the components should be pressure rinsed outside the cabinet.

Dry the components thoroughly using compressed air or an air recirculation oven at 60 - 80 °C (140 - 176 °F).

**NOTE:** Ardrox<sup>®</sup> 2320 can be used at higher temperatures on non-critical components that are not susceptible to hydrogen embrittlement.

### 4 Effects on material

Will not affect most common metals, e.g. steel, zinc, aluminum, copper. Polymeric materials, such as Perspex/Plexiglas (polymethylmethacrylate) and PVC, and some rubbers will be affected.

### 5 Shelf life, storage 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.

## Method of control

The pH of the water phase (top phase) of the bath should be maintained within the range 12 - 12.5. To raise the pH of the bath, add Ardrex<sup>®</sup> 2320B in measured increments until within the desired range.

The lower phase of the bath (Ardrex<sup>®</sup> 2320A) should be maintained within the range 5 - 10% (or 5 - 30 %) v/v. This may be measured by taking a representative sample of the tank contents, placing in a measuring cylinder and allowing to stand. If the lower separated phase is below the desired range, add Ardrex<sup>®</sup> 2320A. If above the range, add demineralized water. Any water added to the tank to correct for evaporation should be demineralized water.

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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