ARDROX® 2323A

Polysulfide Sealant Remover

PRIMARY APPLICATION

ARDROX 2323A is a unique solvent cleaner, specifically formulated to dissolve NAFTOSEAL and other polysulphide-based sealants used in the aircraft industry.

Ardrox 2323A can remove semi and fully cured polysulfide based sealants from mixing and application equipment as well as from tools such as slave bolts, Wedgelock pins and dowels.

CHEMICAL CHARACTERISTICS

Chemical Composition	Wetting agents, solvents
Appearance	Clear yellow liquid
Flash Point	Above 200ºF
pH of Working Bath	7 at 10%

APPLICATION PROCEDURE

Ardrox 2323A provides a method for completely removing Naftoseal and other polysulphide sealant contamination from mixing equipment, application equipment, tools and assembly components. It will completely dissolve uncured, semi-cured and fully cured polysulphide sealants.

CLEANING TOOLS, EQUIPMENT AND ASSEMBLY COMPONENTS

The cleaning process involves immersion of the sealant-contaminated components in a bath containing Ardrox 2323A. Cleaning times can be considerably reduced by agitation (mechanical and/or ultrasonic) and by increasing the temperature of the immersion bath. The maximum recommended immersion bath temperature is 140°F (60°C).

Ardrox 2323A can be used repeatedly; however, its cleaning effectiveness will be gradually reduced as the level of sealant contamination within the working solution increases. The effective cleaning life of the Ardrox 2323A working solution is determined by experimentation.

Using ultrasonic agitation and a working solution temperature of 140°F (60 °C), typical immersion times are 20 - 60 minutes. At room temperature 60° - 100°F (15° - 35°C), soaking time may require over 2 hours depending on the agitation of the tank and the thickness and degree of curing of the sealant.

CLEANING METER MIXING MACHINES

Ardrox 2323A is used as a cleaner/flushing solvent for the complete removal of sealant contamination from the static and dynamic mixing elements, associated dispensing tubes and nozzles in the meter-mixing machines used to mix and dispense Naftoseal and other polysulphide sealants. The recommended method involves continuous flushing of Ardrox 2323A through the mixing/dispensing system using a re-circulating pump. For the cleaning/flushing process the Ardrox 2323A is used at ambient temperature 60° - 100°F (15° - 35°C).

The time required for Ardrox 2323A to completely dissolve sealant depends on the level of contamination. Cleaning/flushing times of 1 to 4 hours are typical.

Care should be taken to ensure that sufficient cleaning/flushing time is allowed for the sealant contamination to be completely dissolved and removed from the internal surfaces of the meter-mix equipment. If insufficient cleaning/ flushing time is allowed, then the sealant will only be softened and can become lodged within the equipment, this can cause subsequent blockage of the meter-mix equipment when it is returned to service.

Ardrox 2323A can be used repeatedly; however, its cleaning effectiveness will be gradually reduced as the level of sealant contamination within the cleaning/flushing working solution increases.

EFFECT ON MATERIALS

No significant corrosion is likely to be encountered when Ardrox 2323A is used in the prescribed manner on most metals including aluminum, mild steel, copper, brass and titanium.

However, polymer materials such as PMMA or some rubbers may be affected. Equipment/tanks should be constructed of mild or stainless steel.

NOTES ON USE (See Safety Data Sheet)

SAFETY AND HANDLING

Prior to handling and use of any of the materials referenced in this document, the Safety Data Sheets should be read and understood by all personnel in contact with these materials.

KEEP OUT OF REACH OF CHILDREN

STORAGE

Dry indoor storage at temperatures between 40°F and 100°F (4.4°C and 37.8°C) is recommended, away from any incompatible materials referenced in the Safety Data Sheets. All containers should be tightly closed when not in use.

SHELF LIFE

The shelf life for Ardrox 2323A is for 3 years.

DISPOSAL

Any disposal of the materials referenced in this document should be in accordance with all applicable federal, state, providential and local regulations. The process solution can contain components other than those present in the materials as supplied. Analysis of process solutions may be required prior to disposal.

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