

PreTox 2000 Fast Dry Data Sheet

Description

PreTox 2000FD is a single component, temporary overcoating applied to a lead-based paint coated surface as part of surface preparation/lead abatement operations. PreTox 2000FD renders lead based paint non-hazardous for disposal. Designed with fast dry times and limited adhesion, PreTox 2000FD is easy to use on the job. PreTox 2000FD does not contribute additional dust during abrasive blasting or cause additional wear and tear on equipment.

Recommended Uses

- Structural Steel
- Ships
- Storage Tanks
- Concrete
- Brick/Masonry
- Wood
- Heavy Equipment
- Pipelines

Compatible Removal Methods

- Dry Abrasives
- Wet Abrasives
- Sponge Abrasive
- Power Tools
- Recyclable Abrasives
- Water Jetting

Recommended Application Equipment

PreTox 2000FD can be applied by brush, roller or mechanical spray equipment. Industrial grade airless spray equipment such as a Graco King or Bulldog is recommended. When using such equipment, use a .045 tip or

Thinning/Clean Up

Thinning is not required or recommended. Clean up equipment after use with any aliphatic or aromatic solvent.

Features

- Dry time <1 hour at 70°F and 50% RH
- Spread rate: 2,000 to 5,000 sq.ft/hr depending on substrate and equipment.
- Coverage 40 to 175 sq.ft/gal depending on paint and removal method. Average coverage for steel structures is 80 sq.ft/gal.
- VOC = 2.7 lb./gal
- Flashpoint = 71° F
- Solids = 72% (by weight)
- Weight per gallon = 11.5lbs

Product Use

- Mix thoroughly (Some settling will occur during storage).
- Apply to substrate.
- Allow to dry (usually one hour or less).
- Remove along with underlying coating.
- Sample waste as per federal and local regulation (for assistance, call NexTec at 800-338-8296).
- Dispose of debris.

For more detail instruction on the use of PreTox 2000FD

see 

Safety Precautions

PreTox 2000FD contains flammable solvents. Ensure that adequate ventilation and personal protective equipment compatible with solvent coatings is used during application and curing.

larger and remove all filters or use 20 mesh or larger filter.



PreTox 2000 Fast Dry

Description:

PreTox 2000 Fast Dry is a unique, liquid, over coating designed to minimize leachable lead levels in spent residues produced in the removal of lead based paint. Designed to be applied as a thick (5-40 mil) temporary over coating to a surface prior to paint removal. PreTox 2000 is removed after complete drying, along with the leaded paint film, as part of the paint removal operation. PreTox 2000 stabilizes lead in the waste, rendering it non-hazardous for disposal.

Storage:

PreTox 2000 in liquid form is flammable. Keep away from heat, sparks and flame.

Surface Preparation:

PreTox 2000 requires no surface preparation. PreTox will adhere to a surface that is ready for coating removal operations.

Mixing:

Some product settling is likely. Storing can upside down for 24 hours prior to use may facilitate mixing. Stir each can of PreTox 2000 thoroughly using either a hand paddle or mechanical mixing bar, such as a jiffy mixer, to ensure complete homogenization before application. If settlement is heavy because of long storage, pour off liquid and reintroduce to the settlement gradually while mixing. Product will then be ready for use. IT IS IMPORTANT TO THOROUGHLY MIX PRETOX 2000 PRIOR TO USE TO ENSURE PROPER PERFORMANCE.

Application:

PreTox 2000 may be applied by a variety of techniques, including brush, roller, and spray (airless or conventional). When using an airless sprayer, it is important to either remove pump and spray gun filters or to use a 20 mesh filter or larger. The minimum recommended spray tip size is .045. A .045 to .050 tip should be optimum with a fan suited for each particular job, ie: .445 for narrow substrates, .645 for broad substrates.

An application of 20 wet mils will be adequate for most abrasive blasting projects. An application of 10 wet mils will be adequate for most power tool or recyclable abrasive projects. Application cost can be optimized by using the Application Optimization Procedure (see page 12).

PROPER APPLICATION AMOUNT CAN ONLY BE CONFIRMED THROUGH USE OF TCLP TESTS. NEXTEC, INC. RECOMMENDS THAT TCLP TESTS BE CONDUCTED BEFORE PRETOX 2000 IS USED TO DETERMINE APPROPRIATE APPLICATION RATE. NEXTEC, INC. ALSO RECOMMENDS THAT TCLP TESTS BE CONDUCTED BEFORE DISPOSING OF ANY RESIDUE AS NON-

HAZARDOUS WASTE AND FOLLOWING ALL FEDERAL AND LOCAL WASTE DISPOSAL REGULATIONS.

Ventilation:

NOT RECOMMENDED FOR ENCLOSED SPACES. ENSURE ADEQUATE VENTILATION OF SOLVENT VAPORS TO PREVENT FIRE AND EXPLOSION HAZARDS.

Drying:

Dry time will vary with application technique, film thickness and environmental conditions (particularly temperature). PreTox 2000 is a lacquer based coating and dries solely by solvent evaporation. Spraying PreTox 2000 will result in faster drying than will spreading techniques such as brush or roller. Typical drying times are less than one hour.

Coverage:

Coverage of PreTox 2000 is approximately 40 to 160 sq. ft./gallon, depending on application rate. Average coverage is 80 sq. ft./gallon. Waste, spillage, over spray, etc. may reduce practical coverage rates. Always figure coverage based on wet mils (100% solids).

Thinning:

THINNING IS NOT RECOMMENDED. However, when necessary, PreTox 2000 may be thinned using small amounts of aromatic or aliphatic solvents such as VM&P Naptha or Toluene. PreTox 2000 is readily removable from tools, application equipment, etc., with the same solvents used for thinning. Aromatic hydrocarbons such as xylene, toluene and aromatic naphtha may give faster clean-up of dried material. NOTE SHOULD BE MADE THAT WHILE THE VOC LEVELS OF THE PRODUCT ARE WITHIN THE REGULATORY GUIDELINES, OVER THINNING MAY RAISE VOC CONTENTS TO ABOVE REGULATORY LEVELS, REDUCE PRODUCT EFFECTIVENESS AND PROLONG DRYING TIMES.

Removal:

Remove PreTox 2000 along with the underlying lead paint with any industry standard removal techniques such as abrasive blasting and mechanical removal equipment.

Note: Effectiveness of PreTox 2000 depends upon the integration of PreTox 2000 with the paint residue. Only sufficient coating thickness of PreTox 2000 will ensure adequate control of lead leachability. PRETOX 2000 DOES NOT RENDER OLD PAINT NON-TOXIC, IT REDUCES THE LEACHABILITY OF THE PAINT RESIDUE. PRETOX 2000 DOES NOT ELIMINATE THE NEED FOR CONTAINMENT OR PERSONAL PROTECTIVE EQUIPMENT DURING THE PAINT REMOVAL PROCESS.

Application optimization:

By obtaining a control sample and testing PreTox application rates prior to starting a project, the application of PreTox can be optimized. The following represents an example of the optimization procedure:

1. Locate six (6) areas that can be segregated from each other so that independent samples can be collected. Area should be large enough to generate enough waste for a TCLP test, typically 300 grams. For abrasive blasting, four square feet is usually adequate.
2. Leave one (1) test area free of a PreTox coating. Cover each succeeding area with 10, 20 30, 40 and 50 wet mils, respectively.
3. Allow to dry thoroughly.
4. Remove coating from each test area with chosen method ie: abrasive blasting, needle gun, etc. Collect each independent sample following EPA or ASTM sampling protocol and send to an accredited lab for

TCLP testing.

5. When test results are received, choose the application rate that achieved a BDL (Below Detectable Limits) result and add five (5) wet mils. This will be the recommended, optimum application rate.

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