



POOL AND DECK COATINGS

Kelley Technical Coatings



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ALL OLYMPIC PRODUCTS ARE VOC COMPLIANT

Bulletin No. 132

NO. 965 BITUREZ One-Coat Bitumen-Epoxy System

BITUREZ is an economic, bitumen-epoxy coating which has excellent chemical and water resistance. This coating may be applied up to 15 mils per coat using conventional spray equipment. This material is black in color. It may also be recoated with a color coating of amine cured epoxy with little or no tendency to bleed.

BITUREZ is recommended for use in concrete or steel water tanks, filter tanks and service tanks which are used for chemical storage. It has excellent resistance to corrosive chemical fumes, spillage and marine or salt water exposures. This material is also excellent for back priming metal swimming pool surfaces which are below grade. BITUREZ may also be applied to galvanized steel and aluminum.

SURFACE PREPARATION

For application on poured concrete only, an acid cleaning is recommended. If the surface is rough or porous, it need only be clean.

For application on steel, we suggest that the steel be sandblasted prior to applying the BITUREZ. When sandblasted, the BITUREZ should be applied as soon as possible, but in any event, the same day. When sandblasting is impractical, the steel should be immersed in a chemical rust and mill scale remover. It should then be thoroughly degreased.

When heavy scale is to be removed, pickling with sulfuric acid is indicated. This should be followed by a phosphoric acid cleaner. When the scale is not heavy, it may be cleaned with a phosphoric acid solution containing from 24% to 70% phosphoric acid depending upon the surface contaminants to be removed. The results obtained with BITUREZ are in direct relation to the surface preparation of the metal or concrete.

After either of these cleaning functions, the steel should be either dipped in hot water tank or rinsed off with hot water. As soon as the surface dries, the BITUREZ should be applied. Another method used in removing rust and other foreign materials is the application of No. 970 RUST REMOVER. Use rubber gloves when using remover. No. 970 RUST REMOVER is applied full strength by brush, spray or saturated rag. Allow to stand for 5 minutes and wipe off with rags. Remove heavy or stubborn deposits with steel wool after No. 970 has been applied. Flush off surface with water or mop off with wet rag or mop. Let surface dry thoroughly before applying BITUREZ.

When rust removal is not feasible or practical, BITUREZ may be applied directly to a rusty (but degreased) surface with results not as good as complete rust removal but much better than for other coatings under the same conditions.

APPLICATION

Slowly add the curing agent component to the base component with good agitation.

NOTE: BECAUSE OF THE LIMITED LIFE OF THE MIXED FORMULATION, DO NOT MIX ANY MORE MATERIAL THAN CAN BE USED IN A 2 HOUR WORKING PERIOD.

BITUREZ should be applied at the rate of 100 to 125 sq. ft. per gallon without thinning, as thinning is unnecessary.

For spray application, use a pressure pot and DeVilbiss MBC gun equipped with a heavy spring and No. 62-CS tip. Using this equipment, the mixed formulation should be at the suitable consistency for application without further reduction. Recommendation fluid and atomizing pressures are 15 to 60 psi respectively.

Table with 3 columns: Environment, BITUREZ, and Commercial Epoxy Resin-Coal Tar Coating. It lists various chemical environments and their effects on the coatings.

PHYSICAL DATA

TOTAL NON-VOLATILE: 83.0% by weight

POT LIFE: 2 hours

REDUCTION: None

SOLVENT: No.1109 (for cleaning application equipment)

FLASH POINT: Over 80°F

Applied film thickness 12 to 15 mils. Make random checks with film thickness gauge as application proceeds.

BITUREZ CURING SCHEDULE:

before being put in service

4 hours @ 95°F

8 hours @ 85°F

16 hours @ 75°F

3 days @ 60°F

CAUTION! - COMBUSTIBLE Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor. Close container after each use. Areas of body or clothing on contact with uncured resin and/or catalyst should be thoroughly cleaned with solvent and washed with soap and water immediately. Use only where there is adequate ventilation. KEEP OUT OF THE REACH OF CHILDREN.

WARNING!

If you scrape or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at **1-800-424-LEAD** or log on to **www.epa.gov/lead**

Information herein given has been accumulated through many years of experience and verified by our technical personnel and is based upon tests believed to be reliable, but RESULTS ARE NOT GUARANTEED.

NOTE: KELLEY TECHNICAL COATINGS, INC. makes no implied warranty of merchantability, no implied warranty of fitness for a particular purpose and no other warranty, either express or implied, concerning its products.

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