



AQUA POX

TECHNICAL DATA SHEET (6/13/06)

DESCRIPTION:

AQUA POX is a two-component, amine-cured, epoxy coating which will demonstrate the physical properties of solvent-borne epoxies, but in a water-reducible formula. Dust and residue formation is a problem with unprotected concrete floors and cement toppings. AQUA POX water-reducible epoxy floor coating was developed as a premium-quality, environmentally-friendly answer to this problem. Based on two-component epoxy technology, AQUA POX displays excellent penetrating properties which consolidates the concrete substrate. At the same time, AQUA POX produces a surface coating/film that will exhibit outstanding water- and chemical-resistance, excellent resistance to acids, solvents, oil and gasoline, and a superior combination of impact-, abrasion-, and scuff-resistance. Most importantly, AQUA POX offers the performance characteristics mentioned above in a water-reducible formulation. In the past, the physical toughness and resistance properties such as those that AQUA POX will provide was possible only from solvent-borne products. AQUA POX should be considered for all interior concrete sealing applications where superior durability is required, and solvents odors and flammability are not acceptable.

APPLICATION METHODS:

This material is designed primarily as a coating for application on clean concrete surfaces. For maximum adhesion, always etch concrete with a 25% solution (in water) of muriatic acid, and allow to stand for 15 minutes. Then flush thoroughly with clean water and allow to dry completely before coating. AQUA POX may be applied to clean, damp concrete surfaces, if necessary, without fear of delamination and adhesion loss; however, a dry application surface is preferable.

FEATURES:

42% solid by volume; 57% by weight
Vehicle type: amine-epoxy (high molecular weight)
Pigment Type: Varies with color
Reactive Weight per gallon: 11.3 lbs.
Dry Time: To touch: 45-60 minutes
Dry hard: 8 hours
To recoat: 4-6 hours (to touch)
Solvent: Water
Gloss: Full gloss
Heat resistance: 225F. degrees (107C.)
Pot Life: 6-8 hours @ 70F. degrees

Mix ratio: 1 part curing agent to 4 parts base by volume

Induction Period: 30 minutes @ 70F. degrees

Minimum storage temperature: 35F. degrees (2C.)

VOC: 1.5 lbs./gallon

Shelf Life: up to 3 years (unopened) under appropriate storage conditions (see MSDS)

OF SPECIAL INTEREST:

- * Outstanding toughness
- * Water-borne epoxy
- * Excellent flexibility
- * Outstanding water-and chemical-resistance
- * Excellent resistance to acids, solvents, oils and gasoline
- * Superior combination of impact-, abrasion- and scuff-resistance

SAFETY PRECAUTIONS:

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas.

KEEP OUT OF REACH OF CHILDREN.

For more specific safety procedures, please refer to the AQUA POX Material Safety Data Sheet.

Minimum Spread Rates:

Concrete & Masonry: 200 sq.ft./gallon each coat

Metal: 250 sq.ft./gallon each coat

Flooring: 100 sq.ft./gallon, one coat required

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