



AQUA POX

Technical Data Sheet (1/20/11)

DESCRIPTION

AQUA POX is a two-part, water-borne epoxy coating system that has been specifically designed to demonstrate the physical properties of a solvent-borne epoxy, but in a water-reducible formula. It is considered to be a "Green" product due to its low VOC make-up. Dust and residue formation is a problem with unprotected concrete floors and cement. AQUA POX was developed as a premium-quality, environmentally friendly answer to this problem. It is resistant to acids, solvents, oil and gasoline. AQUA POX can be applied directly to concrete, masonry and wood. It is as durable as most solvent-based epoxies, without the solvent odor and fumes.

TYPICAL USES

- ◆ As a one-coating system for interior concrete
- ◆ Used when a low VOC coating is needed.
- ◆ As a one-coating system for warehouse flooring.
- ◆ Used when low solvent fumes are necessary.
- ◆ Impact, abrasion and scuff-resistant.

APPLICATION METHODS

AQUA POX can be applied to clean concrete substrates. The coating can be applied by spray, brush or roller. For specific instructions on surface preparation, mixing and application, please refer to the SPI's application instructions for AQUA POX.

FIELD TEST HAVE PROVEN:

- ◆ The coating has outstanding adhesion
- ◆ The coating is resistant to solvents and chemical splashes
- ◆ The coating is flexible, yet resistant to impact

MINIMUM SPREAD RATES (mil thickness)

Porous Surfaces – Apply 3 applications of AQUA POX @ 200sq ft/gallon; (18 sq mtr/gallon); 8 mils wet/4 mils dry (200 microns wet / 100 dry) each coat. This will leave a total thickness of 10 dry mils.

NOTE: Surface and ambient temperatures will determine cure-time. Introduction of heat beneath or over surface will enhance the cure time.

Induction Period: 75 minutes at 70°F (21°C).
15 minute induction time is necessary over 90°F (32°C).

PHYSICAL DATA

- ◆ Reacted Solids: By weight 61% / By volume 48.5%
- ◆ 30-60 MINUTES TO TACK FREE AT 70°F (21°C)
- ◆ Overcoat window is three hours or less at 70°F (21°C)
- ◆ Lead and chromate free
- ◆ Gloss: Semi-gloss
- ◆ Cures by chemical reaction
- ◆ Reacted Weight: 11.25 lbs. per gallon
- ◆ Amine-epoxy
- ◆ Shelf Life: Up to 3 years (unopened) under appropriate storage condition (see MSDS)
- ◆ Mix Ratio; 3 part base to 1 part curing agent by volume
- ◆ Reactive VOC - White: .56 lbs/gal; 67 grams per liter
- ◆ Resistant to mild concentrations of solvents, chemicals and acids
- ◆ Maximum Surface Temperature when applying; 150°F (65°C)
- ◆ Minimum Surface Temperature when applying; 50°F (10°C)
- ◆ Maximum Surface Temperature after curing; 325°F (163°C)

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.

For more specific safety procedures, please refer to the AQUA POX Material Data Safety Sheet. **KEEP OUT OF REACH OF CHILDREN.**

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