

COATING DATA

DESCRIPTION:

A two-component polyamide cured high build epoxy coating formulated for excellent resistance to corrosive and abrasive environments on concrete. Armorguard Polyamide Clear High Gloss Epoxy will cure to provide excellent barrier properties over a wide range of concrete substrates and is free of lead and chromate.

USE:

As a self-priming sealer for concrete surfaces.

Armorguard Polyamide Clear High Gloss Epoxy

- Dries to a high gloss finish.
- Excellent chemical resistance.
- Excellent resistance to aliphatic and aromatic hydrocarbons.
- Lead and chromate free.
- Complies with U. S. EPA National Volatile Organic Compound (VOC) Emission Standards for industrial maintenance coatings effective September 13, 1999.
- Performs well in many aggressive environments including the following substrates:
 - Concrete subjected to high humidity, condensing moisture or immersion
 - Concrete Floors
 - Concrete Pipe

LIMITATIONS:

Do not use for surface temperatures above 200°F (93°C). Not for potable water immersion.

SURFACE PREPARATION:

Concrete Construction—New concrete must cure at least 30 days prior to painting. Remove all surface contaminants. For best results, use SSPC-SP 7 Brush Off Blast to clean surface. Do not apply over oil or form release agents.

COVERAGE:

Theoretical—821 ft² per gallon at 1.0 mil dry film thickness.

DRY FILM THICKNESS:

3.0 to 6.0 mils per coat.

WET FILM THICKNESS:

6.0 to 12.0 mils.

APPLICATION DATA

BLEND RATIO:

One part Armorguard Base to one part Armorguard Polyamide Epoxy Blending Resin. Power agitate until components are thoroughly mixed. Allow mixed components to stand fifteen minutes prior to application.

POT LIFE:

Six hours at 80°F, decreasing at higher temperature.

APPLICATION:

Airless Spray—Use .015-.019 tip; 60 mesh filter; 30:1 pump ratio at 60-100 psi operating air pressure.

Conventional Spray—Follow instructions of equipment manufacturer for the application of epoxy paints.

Roll—Use lambswool cover. Additional coats may be required to achieve desired film thickness. **Brush**—Use natural bristle brush. Additional coats may be required to achieve desired film thickness.

THINNING:

If required, thin up to 10% with K-1066 Reducer. Clean equipment with K-1066 Reducer.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature is above 40°F and is expected not to decrease for at least two hours after application. Also, the substrate temperature must be 5°F above the dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint.

DRY TIME:

TO HANDLE—7 hours at 80°F.

TO RECOAT—50°F or higher, overnight; 40°F-50°F, second day.

IMMERSION SERVICE—50°F or higher, seven days with proper ventilation; 40°F-50°F, 14 days with proper ventilation. Ventilation during application and after must be in accordance with AWWA D102-97 Section 4.7.3.

Note: High film thickness, low temperature and/or poor ventilation will retard dry time.

PHYSICAL DATA:

VOLUME SOLIDS: 51% ± 1%

SOLIDS BY WEIGHT: 64% ± 1%

WEIGHT PER GALLON: 10.0 ± .2 lbs/gallon

VOLATILE ORGANIC CONTENTS:

Mixed unthinned - < 3.5 lbs/gallon; < 420 grams/liter

Mixed thinned 10% - < 3.8 lbs/gallon; < 450 grams/liter

SAFETY DATA:

See individual product label for safety and health data information. Individual Material Safety Data Sheets are available upon request.