



LINING KOTE

Technical Data Sheet (03/13/09)

DESCRIPTION

LINING KOTE is a two-part pigmented epoxy coating, which will produce a tough, yet flexible coating film. Designed for use on the interior of tanks, this epoxy coating was built to resist the toughest acid, chemical or solvent environments. LINING KOTE has outstanding adhesion and can withstand direct impact. It is resistant to water, humidity and high heat. LINING KOTE is made with a high molecular weight base and cure for strength and durability.

TYPICAL USES:

- Very good acid and superior alkali resistance.
- As a lining topcoat for acid tanks (three coats required) with 60-day cure time;
- As a lining topcoat for chemical tanks (three coats required);
- As a lining topcoat for solvent tanks (two coats required);
- As a lining topcoat for ballast tanks (two coats required).

APPLICATION METHODS

LINING KOTE can be applied to concrete or masonry 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 LINING KOTE.

NOTE: Special attention should be paid to the number of coats for specific types of tanks and the curing time required before being put back into service.

TESTS AND CERTIFICATIONS

1. USDA Approved
2. Marine Approvals for Salt Water/Maritime Use:
 - US Coast Guard
 - ABS (American Bureau of Shipping)
 - IMO (International Marine Organization)
3. Abrasion (ASTM D4060)

MINIMUM SPREAD RATES (mil thickness)

Porous Surfaces – Apply 2-3 applications of LINING KOTE @ 200 sq ft/gallon; (18 sq mtr/gallon); 8 mils wet / 4.64 mils dry (200 microns wet / 116 dry) each coat. This will leave a total thickness of 9.28 (2 coats) or 13.92 (3 coats) dry mils.

Metal Surfaces – Apply Rust Grip® as a primer as directed, and apply 2-3 applications of Lining Kote.

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

Induction Period: 30 minutes at 70F (21C).

No induction time is necessary over 90F (32C).

PHYSICAL DATA

- ◆ Reacted Solids: White – By weight 70% / By volume 58%
- ◆ 30-60 minutes to tack free at 70F (21C)
- ◆ Overcoat window is 3 hours or less at 70F (21C)
- ◆ Lead- and Chromate-free
- ◆ Cures By: Chemical reaction
- ◆ Reacted Weight: 11.3 lbs/gallon
- ◆ Vehicle Type: Amine- epoxy
- ◆ Shelf Life: Up to three years unopened under appropriate storage conditions (See MSDS)
- ◆ Mix Ratio: 2 parts base to 1 part curing agent by volume
- ◆ Reactive VOC - White: 3.19 lbs/gal; 383 grams per liter
- ◆ Tinting: Can be tinted any color - minimum of 250 gallons.
- ◆ Maximum Surface Temperature when applying; 150F (65C).
- ◆ Minimum Surface Temperature when applying; 50F (10C).
- ◆ Maximum Surface Temperature after curing; 300F (163C)
- ◆ Failure will occur at a constant temperature equal to or greater than 325F (163C); consult SPI for intermittent temperatures greater than 325F (163C)

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. This coating is flammable. Keep away from flame, fire, or other sources of ignition. For more specific safety procedures, please refer to the LINING KOTE Material Safety Data Sheet. **KEEP OUT OF REACH OF CHILDREN.**

LIMITATION OF LIABILITY: The information contained in this data sheet is based upon tests that we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by SPI, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge is reliable. The products and information are designed for users having the requisite knowledge and industrial skills, and the end-user has the responsibility to determine the suitability of the product for its intended use.

SPI has no control over either the quality of condition of the substrate, or the many factors affecting the use and application of the product. Therefore, SPI does not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The information contained in this data sheet is subject to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and the user has the responsibility to ensure that this sheet is current prior to using the product.