

TOWER-GARD 568

REINFORCED EPOXY
ANTICORROSION COATING
FOR STEEL AND
GALVANIZING



Thin Film Technology, Inc.

PRODUCT DATA SHEET

TOWER-GARD 568 is based on a unique blend of liquid epoxy polymer, toughening resins and aliphatic polyamine curing agents, which is able to displace water from wet surfaces in order to make a permanent bond. The formulation is solvent-free to ensure safety and maximum technical performance. Kevlar™* fibers are incorporated for reinforcement and viscosity management to achieve high application rates -even underwater!

TOWER-GARD 568 provides permanent protection under the most adverse conditions. The formula is uniquely field-friendly and uses advanced low toxicity ingredients. Standard color is Haze Gray which closely matches the color of galvanizing. Shipping is NonHazmat, "Non-Regulated" by USDOT, IATA and IMO.

* *Kevlar is a trademark of E. I. DuPont de Nemours Co*

RECOMMENDED USES

ANTICORROSIVE COATING: For structural steel and galvanized surfaces in atmospheric service. TOWER-GARD 568 is uniquely tolerant of compromised surfaces. TOWER-GARD 568 can be applied over all generic types of tightly adherent existing coatings as well as bare steel and galvanizing.

TECHNICAL INFORMATION

VEHICLE TYPE	Epoxy, Flexibilizers and Aliphatic amines
PIGMENTATION	Color/anticorrosive/fibrous reinforcement
COLORS	Standard Haze Gray – other available
FINISH	Slight texture
THINNER	Not normally required
CLEANER	MEK or lacquer thinner
MIXING RATIO	1.0/1.0 v/v
INDUCTION TIME	Not required
POT LIFE	Approx. 45' / 77°F
FLASH POINT	Over 200°F
SOLIDS BY VOLUME	100%
SPREADING RATE/GAL.....	80 sq. ft./gal @ 20 mils, (508 microns)
DRY TIME, (Dust free)	4 hours at 77°F
DRY TIME, (Service).....	14 hrs. light, 72 hrs. heavy
APPLICATION METHOD.....	Brush, roller, painters mitt
STORAGE CONDITIONS.....	Normal,
VOC.	Essentially zero

APPLICATION NOTES

SURFACE PREPARATION:

Painted Surfaces: TOWER-GARD 568 can be applied to all types of existing coatings provided they are clean and have good adhesion.

Bare and Galvanized Steel: TOWER-GARD 568 is extremely surface tolerant and can be applied to hand and power tool cleaned steel. High pressure water jetting and abrasive blasting are also suitable preparation methods. Coating over tight rust is acceptable where unavoidable however optimum performance will be obtained from better surface preparation. TOWER-GARD 568 may be applied by brush or roller to clean but immersed surfaces such as ponding areas.

MIXING PROCEDURE:

TOWER-GARD® 568 is supplied either in 2 gallon or 4 gallon kits of 2x1 or 2x2 gallon containers respectively each of epoxy base and curing agent. It is important to thoroughly mix equal volumes of the two components. "Hotspots" of incompletely mixed components will cure poorly.

Mix using a power mixer with a "Jiffy" style paddle. Note: The Jiffy style paddle efficiently draws material from the sides and bottom of a container in order to thoroughly blend it. TOWER-GARD 568 is supplied with a jet black epoxy base and a snow white curing agent. When thoroughly mixed the gray color resembles galvanizing gray.

APPLICATION:

- 1) TOWER-GARD 568 can be applied by heated, 1/1 volume ratio plural component airless spray using a minimum 0.031" tip. Recommended fluid temperature is 125 - 130°F at a pressure of 2,500 psi.
- 2) Brush and roller is straightforward using either synthetic or natural fiber tools.

CURING BEFORE SERVICE: TOWER-GARD 568 may be immersed in fresh or salt water immediately after application. It will cure to a hard film within about 14 hours and is suitable for light traffic after this time.

WE URGE YOU TO READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING PRODUCT AND TO CALL THIN FILM TECHNOLOGY, INC. AS NECESSARY FOR ADVICE OR INFORMATION BEFORE ANY ACTUAL OR CONTEMPLATED APPLICATION.



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SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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