

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 and 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!

BIO-DUR® 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. Shipping is Non Hazmat, "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 types of tightly adherent existing coatings as well as to bare steel or galvanizing.

TECHNICAL INFORMATION

VEHICLE TYPE	Epoxy, Flexibilizers and Aliphatic amines
PIGMENTATION	Color/Inert/fibrous reinforcement
COLORS	Standard Haze Gray – others available
FINISH	Slight texture by brush, smooth by spray
THINNER	Not normally required
CLEANER	MEK or lacquer thinner
MIXING RATIO	1.0/1.0 v/v
INDUCTION TIME	Not required
POT LIFE	Approx. 40min. / 77°F
FLASH POINT	Over 200°F
SOLIDS BY VOLUME	100%
SPREADING RATE/GAL.....	80 sq. ft./gal @ 20 mils
DRY TIME, (Dust free)	4 hours at 77°F
DRY TIME, (Service).....	14 hrs. light, 72 hrs. heavy
APPLICATION METHOD.....	Brush, roller, painters mitt, plural airless spray.
STORAGE CONDITIONS.....	Normal
VOC	Essentially zero

APPLICATION NOTES

SURFACE PREPARATION:

Painted Surfaces: TOWER-GARD 568 can be applied over all types of existing coatings or coating residue provided they are in general fair condition and tightly adherent. Remove loose surface contamination by sanding, discing, abrasive blasting or water jetting prior to application.

Application above water requires similar high pressure water blasting or dry abrasive blasting to yield a firm, granular surface free of loose contamination.

MIXING PROCEDURE: **BIO-DUR® 568** is supplied either in 2 gallon or 4 gallon kits of 2x1 or 2x2 gallon containers, including one each of epoxy base and curing agent. It is important to thoroughly mix equal volumes of the two components as “hotspots” of badly mixed components will cure poorly.

Mix in a clean container using either paint stirrers for small quantities or a “Jiffy” style mechanical paint stirrer for larger quantities. “Hotspots” of unmixed material will be seen as streaks *and will never cure*.

APPLICATION:

- 1 ***Above water by brush or roller:*** Use natural or synthetic fibers, it is generally not worth the effort to clean these tools after use.
- 2 ***By Heated Plural Component Airless Spray:*** The setup described below will give satisfactory results on larger jobs:

Equipment:	Graco “King”, 1/1 ratio units or similar heavy-duty pumps
Hose Pack Length:	Up to 160 feet of at least 3/8” – recommend heated and insulated hose pack.
Filters:	Remove all filters – these will clog with Kevlar fibers very quickly
Fluid Temperature:	Recommend 125°F - 135°F
Fluid Pressure:	2,500 – 3,000 psi at the tip
Tip Size:	minimum 0.031 thou”
Cleaning Solvent:	MEK or standard epoxy thinner

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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