

**PRODUCT DESCRIPTION**

**Powermax 560KF** is based on a unique blend of liquid epoxy polymer 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. **Powermax 560KF** is designed for application by heated, plural component airless spray. It may also be applied using brush or roller. **Powermax 560KF** provides permanent protection under the most adverse conditions. The formula is uniquely field-friendly and uses advanced low toxicity ingredients in a high build product. **Powermax 560KF** can be shipped by ground, non-regulated by USDOT. When shipped by air or ocean Powermax 560KF is classified UN3082, PGIII.

**PRODUCT FEATURES**

- Water displacement
- Solvent free
- High build
- 1 to 1 mixing ratio
- Kevlar fibers for added strength

**TYPICAL USES**

- **ANTICORROSIVE COATING:** Heavy-duty applications to steel or concrete above or below water.
- **REPAIR COMPOUND:** Patching, leak sealing etc. above and below water.
- **FAIRING COMPOUND:** Smoothing rough steel and concrete.
- **WASTEWATER:** Reinforces, smooth's and protects concrete exposed to chemical or municipal waste.

**TECHNICAL DATA**

<b>Vehicle Type:</b>	Epoxy/Aliphatic amines	<b>Drying times 14 hrs. light, 72 hrs. heavy</b>	
<b>Pigmentation:</b>	Color/Inert	<b>Dust free :</b>	4 hours at 77° F
<b>Color:</b>	Standard White, Black, Gray – others available	<b>Flash point:</b>	Over 200° F
<b>Finish:</b>	High Gloss	<b>Induction time:</b>	No induction
<b>Thinner:</b>	Not normally required	<b>Ration:</b>	1:1 by volume
<b>Cleaner:</b>	MEK or lacquer thinner	<b>Pot Life:</b>	Approx. 40 min. @ 77° F
<b>Mixing Ratio:</b>	1:1 by volum	<b>Storage Conditions:</b>	Normal, Freezing OK
<b>Solids by volume:</b>	100%	<b>Packaging:</b>	2, 4, or 10 gal kits
<b>Spreading Rate/Gal:</b>	1604 mil/sf/gal, 45.8 sf/gal @ 35 mils		
<b>VOC:</b>	Zero in normal application conditions		

**APPLICATION GUIDE**
**SURFACE PREPARATION**

Application above water requires high pressure water blasting or dry abrasive blasting to yield a firm, granular surface free of loose contamination. Since there is no problem from resettlement of marine fouling when working above water it is possible to delay application of the Powermax 560KF indefinitely provided flash rusting or fresh contamination of the cleaned surface does not occur. Steel surfaces intended for severe service should be abrasive blasted to minimum SSPC-SP-10, "Near-White" cleaning with a blast profile of 2 – 4 mils.

### MIXING AND THINNING

**Powermax 560KF** is supplied either in 2, 4 or 10 gallon kits packaged in 2x1, 2x2, or 2x5 gallon containers respectively each of epoxy base and curing agent. These components are formulated in contrasting to facilitate complete mixing. BLACK Powermax 560KF, for example, is supplied with a jet black epoxy base and an off-white curing agent that yield a black mixture. Visible streaks of either black or white seen during the course of mixing indicate “hotspots” of unmixed components. It is imperative to properly mix the components since unmixed “hotspots” of either base or curing agent will never cure. Remove equal quantities of base and curing agent from their cans and place them in a clean plastic or steel container. Mixing is easily accomplished by stirring with a “Jiffy” type mixer in a geared down, (high torque), 1/2” electric drill. Once mixing begins there will be about 40 minutes of working time available at 80°F. Keeping the components and mixture cool rather than leaving in a hot area may extend the time.

### APPLICATION PROCESS

1. Using a stiff brush or roller apply from a tray of mixed material aiming for a coverage rate of about 80 sq.ft./ gallon.
2. Application by heated plural spray is straightforward using the following equipment setup: Graco “King” or similar with heated hoses.

<b>Mix ratio:</b>	1/1 by volume
<b>Fluid pressure:</b>	2,500 psi
<b>Fluid temp:</b>	125°F
<b>Filters:</b>	Standard fluid filters
<b>Tip size:</b>	.019” - .025” orifice

### EQUIPMENT

Brush, roller, heated plural airless spray

### CURING BEFORE SERVICE

Powermax 560KF 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 traffic after this time. Allow at least three (3) days at 77°F before subjecting to aggressive chemical service from industrial solvents and similar materials.

### TYPICAL PHYSICAL PROPERTIES OF THE CURED FILM

Compressive strength:	7,380 psi (50.9 N/mm <sup>2</sup> )
Tensile Strength:	6,000 psi (est.)
Flexural Strength:	4,550 psi (31.4 M/mm <sup>2</sup> )
Abrasion Resistance:	50.0 mg/1,000 cycles
<b>(CS17 wheels with 1,000 gram weights)</b>	

See the material safety data sheet and product label for complete safety and precaution requirements.

#### DISCLAIMER:

“The following is made in lieu of all warranties, expressed or implied: Manufacturer’s obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer.”