

PRODUCT DESCRIPTION

Powermax 560 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 560** provides permanent protection under the most adverse conditions. The formula is uniquely field-friendly and uses advanced low toxicity ingredients in a high build spray, brush or rollable product. The sister product **Powermax 561** is available if a higher viscosity; "light paste" consistency is required. Other colors including White are available.

PRODUCT FEATURES

- Water displacement
- Solvent free
- High build
- 1 to 1 mixing ratio

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.

TECHNICAL DATA

Vehicle Type:	Epoxy/Aliphatic amines	Drying times 14 hrs. light, 72 hrs. heavy	
Pigmentation:	Color/Inert	Dust free :	4 hours at 77° F
Color:	Green, approximates Fed Std 595B #14110	Recoat Interval:	No min, wet on wet OK, 48 hrs. max at 77° F *Abrade if max recoat interval is exceeded
Finish:	High Gloss	Flash point:	Over 200° F
Thinner:	Not normally required	Induction time:	No induction
Cleaner:	MEK or lacquer thinner	Ration:	1:1 by volume
Mixing Ratio:	1:1 by volum	Pot Life:	Approx. 40 min. @ 77° F
Solids by volume:	100%	Storage Conditions:	Normal
Spreading Rate/Gal:	1604 mil/sf/gal, 45.8 sf/gal @ 35 mils	Packaging:	
Recommended Film thickness:	35 - 40mils		
VOC:	Zero in normal application conditions		

APPLICATION GUIDE
SURFACE PREPARATION ABOVE WATER

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 560 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 INSTRUCTIONS

Powermax 560 is supplied either in 2 gallon, 4 gallon, 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 colors of Blue and Yellow to facilitate complete mixing. Powermax 560 is supplied with a dark blue epoxy base and a yellow curing agent that yield a "Grass Green" mixture. Visible streaks of either blue or yellow 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 77°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 46 sq.ft./ gallon.
2. Application by heated plural spray is straightforward using the following equipment setup: Graco "King" or similar with heated hoses.

Mix ratio: 1/1 by volume

Fluid pressure: 2,500 psi

Fluid temp: 130°F

Filters: 60 mesh

Tip size: .021" - .029" orifice

Max. Hose Length: 250' of 3/8" hoses in a heated and insulated bundle.

EQUIPMENT

Brush, roller, heated plural airless spray

CURING BEFORE SERVICE

Powermax 560 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/mm²)

Tensile Strength: 6,000 psi (est.)

Flexural Strength: 4,550 psi (31.4 M/mm²)

Abrasion Resistance: 34.0 mg/1,000 cycles (CS17 wheels with 1,000 gram weights)

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."