



Delta Polymers, Inc.
 130 South 2nd St.
 Bay Shore, NY 11706
 (631) 254-6240 -- (631) 595-2537 (fax)



Marine Epoxy 100 High performance Epoxy Coating

DESCRIPTION:

Marine Epoxy 100 is a unique, 100% solids Superbond® epoxy which cures to a high gloss, stain resistant, high washable surface. This product is completely odorless, non-toxic and authorized for use in food handling areas. The two-component mixture is thermo setting and offers exceptional resistance to wear and abrasion, withstanding daily washing with steam or water and strong detergents. Because of ease of cleaning and abrasion resistance this coating is practically graffiti proof. It is ideal for industrial and institutional flooring.

RECOMMENDED USES:

Commercial, Institutional and Industrial floorings, Warehouses, Art galleries, Hospitals, Laboratories, Locker rooms, Garages, Ramps, Office rooms, Food and Pharmaceuticals production areas, Schools, Fire houses, Post offices, Photo-studios, Automotive centers, Battery rooms, Unit Control rooms, Generator rooms, etc.

ADVANTAGES:

Solvent free · Water clear · Available in colors · Excellent chemical resistance· Excellent adhesion to concrete, steel and wood · High Gloss · Low temperature CURING · Blush free.

PROPERTIES:

<u>Test</u>	<u>Results</u>	<u>Method</u>
Pot life	35	AASHTO-T-237
Viscosity@75% CPS (mixed)		ASTMD-2392
CLEAR	1000-2000	
Pigmented	5000-7000	ASTMD-2392
Tensile Strength PSI Min	7000	ASTMD-638
Tensile Elongation % Min	3	ASTM D-638
Compressive strength PSI Min	12000	ASTM D-690
Impact Resistance, direct in LBS	8-12	ASTMD-256
Gloss, 60	96-100	
Hardness shore D	85	ASTMD-2240
Fungus & Bacteria Resistance	Does not support growth of fungus or bacteria when subjected to Mildew and bacteria test specified in T-T-P-34	MIL-F-52505
Resistance to Elevated temperature	No slip or flow at required temperature of 1580F SEC 4.7.5.	MIL-D-31 34F
Taber Abrasion Resistance	0.02 gms Loss for 1000 Cycles	CS-1 7 Wheels with 1000gm load of each arm for 10,000 cycles

Test	Results	Method
Flammability	Self Extinguishing by this test	ASTD-635
	Determined on sample with backing of Concrete	
Initial Set Time for	5-9	
Light traffic hours @75 = 1		
Curing temperature limits	Over 400F.	
Ultimate cure @ 75 F	3days	
@ 400F	7days	
Mixing Ratio by Volume	2 Part Base (A) 1 Part Catalyst (B)	

Application:

Trowel, Roll or Brush. Coverage 75-125 ft²/gal. Coverage may vary with the condition of the substrate.

SURFACE PREPARATION:

Remove any oil, grease, dust, dirt or loose paint from the surface to be coated. All surfaces must be completely dry.

CLEAN UP:

Use mineral spirits or paint thinner. Clean equipment immediately.

CHEMICAL RESISTANCE:

Sulphuric Acid up to 70% --	Excellent	Crude oil --	Excellent
Hydrochloric Acid up to 36% --	Excellent	Tetraethyl Lead Fuel --	Excellent
Acetic Acid, 5% --	Excellent	Gasoline, high test --	Excellent
Caustic soda, 10% --	Excellent	MBK --	Good-Fair
Caustic soda. 50% --	Excellent	Pine oil --	Excellent
Ammonia, 10% --	Excellent	Distilled water --	Excellent
Ammonia, 25% --	Excellent	Water --	Excellent
Ethanol, 50% --	Excellent	Sea Water --	Excellent
Ethanol, 96% --	N.R.	Urea --	Excellent
Butanol --	Excellent	Cola syrup --	Excellent
Octanol --	Excellent	Acetone --	N.R.
Xylene --	Excellent	Lactic Acid (20%) --	Good
Toluene --	Good	Detergents (.03%) --	Good
Benzene --	N.R.	Oils and Grease --	Excellent

Non-Warranty

This product is made under strict quality control procedures of Delta Polymers, Inc. No guarantee is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability if any is limited to replacement of products which are defective in manufacture. No other warranty or guarantee of any kind is made by the seller, express or implied, statutory by operation or law or otherwise, including merchantability and fitness for a particular purpose.

Caution

Avoid contact with eyes and prolonged contact with skin. In case of eye contact, flush with plenty of water for at least 15 minutes and seek medical attention. For skin, wash with soap and water. Keep away from children. For details see product data sheet and MSDS.

Marine Epoxy 100