



CAPASTIC

Plastic Coating for Ships, Steel Structures, Wood, and Concrete Surfaces

Capastic is a 100% Solid Epoxy System which is primarily used as a bonding compound for concrete, steel, and wood materials. This is a modified epoxy-amine system with unique properties including moisture insensitivity, gel consistency, low modulus and low temperature curing starting at 30° F and higher. This unique plastic coating is excellent for marine environments.

USES

- Concrete and wood repairs, patching
- Leveling low spots in concrete and patching cracks and seams for wood structures
- Coving material
- Adhesive for tiles, mosaics and other materials

PROPERTIES

Pot Life @ 75° F	ASHTO-T-237	15-20 Minutes
Curing Temperature Limits		Over 30° F.
Initial Set Time @ 75° F		3 – 4 hours
Mixing Ratio by Volume		2 Parts Base : 1 Part Hardener
Application		Trowel, Roll
Viscosity @ 75° F cps – 2393		Gel
Tensile Strength	ASTD-638 PSI MIN.	3800
Tensile Elongation	ASTMD-638, %	15-20
Tensile Strength	ASTMC-307 PSI, Mortar	2500
Compressive Strength	ASTMD-695 PSI MIN	7000-8000
Compressive Strength Mortar	ASTMD-695 PSI MIN	8000-9000
Flexural Strength	ASTMD-580 PSI	4000
Hardness Shore D	ASTMD-2240	75
Bond Strength	ASTMD-882	100% Concrete Failure
Indentation	MIL-D-3134f	No Indentation
Flammability	ASTMD-633	Self Extinguishing by this test As determined with a backing of Concrete.
Water Absorption	ASTMC-413, %	0.08
Thermal Coefficient of Expansion	ASTMD-696	25 * 10 ⁻⁵ in/in/ °F
Coverage @ 1/8” Thick		12.6 sq.ft./gallon
Colors		Olive Drab, Gray and others

SURFACE PREPARATION

Concrete: Surface should be free from oil, grease, and loose paint. Concrete should be sealed, blast tracked or scarified.

Steel: Sand blast to white metal with a profile. Conventional grinding with carbide is acceptable.

Wood: Scrape or wire brush to remove all paint and debris. Sand the surface with medium or coarse weight sanding paper (silicon carbide or aluminum). Brush off all wood dust.

Plastic or Polyester Resin Gel Coat: Scrape off all paint and debris. Sand with sandpaper. Brush off dust.

MIXING

After mixing, Capastic can be immediately applied on steel, wood or concrete. It can be applied from featheredge up to one-inch thickness without any sag. For large holes, repair by mixing one part sand to one part mixed epoxy, then spread with trowel. This material may additionally be used for overhead and vertical patching.