



# Epoxy Systems' Product #637

100% Solids Chemical Epoxy Primer, Topcoat

## DESCRIPTION

**Epoxy Systems' Product #637** is a 100% solids amine cured epoxy Novolac that is solvent free. Suitable for immersion and non-immersion service particularly in aggressive acid environments. **Epoxy Systems Product #637** produces a tough, chemical resistant coating on concrete, iron and non-iron surfaces. As a lower viscosity epoxy Novolac it is suitable as a primer or as a top coating. Excellent against 98% Sulfuric Acid.

## USES

- Aggressive Chemical Tank Linings
- Secondary Chemical Containment
- Industrial floors

## ADVANTAGES

- Exhibits excellent resistance to 98% Sulfuric Acid
- High build yields a durable surface
- Can be applied in occupied facilities
- Can be used in immersion service up to 250 degrees with a spike (3 hour) temperature of up to 300 degrees F.
- 3 year shelf life at 55-95 degrees F.

## CONSIDERATIONS

- Concrete substrate must be free of dirt, waxes, curing agents, and other foreign materials.
- Steel surfaces must be free of grease and oils. Abrasive blast, required for steel.

<b>PHYSICAL PROPERTIES</b>	
Color	Clear Amber, not pigmented
Solids Content	100%
Viscosity	9,000-15,000 CPS
Mix Ratio	4A to 3B by volume
Pot Life	20 - 25 minutes @ 72 degrees F.
VOC	0%

<b>CHEMICAL RESISTANCE PROPERTIES</b>	
Water	Excellent
Alkalies	Excellent
Inorganic Acids	Excellent
Organic Acids	Good
Organic Solvents	Excellent

<b>DRY TIME</b>	
Foot Traffic	8-12 hrs
Recoat @77 Degrees F.	6 - 14 hrs.
Immersion Service	7 days

## **APPLICATION**

### **SURFACE PREPARATION**

Steel Surfaces should be blasted to an SSPC SP6 commercial gray metal blast. Immersion applications should be blasted to an SSPC SP-5 white metal. Grind flat all burrs, weld seams, round sharp edges. Freshly blasted surface can be primed with this material.

Concrete surfaces should be abrasive clean to remove soft surfaces, paint, sealers, and any other contamination. Prime with Epoxy Systems #637, #635, or #12 primer.

### **INSTALLATION**

Mix 4 Parts Resin (A) to 3 part Hardener (B) by volume, adding the B to the A. Mix with a mixing stick or low speed drill with a mixing paddle. Do not thin.

Apply by brush, roller, or airless spray. To brush use medium to stiff bristle brush with a bristle quality that does not pull out into the coating. To roll use a 1/8 to 1/4 inch nap roller on concrete. To plural spray use .019 - .021 tip at 2,000-2,500 PSI. Pre-heat "A" component to 120 degrees F. Pre-heat "B" to 110 degrees F. To spray by airless spray, use .019-.023 tip at 2,000-2,500 psi with in line heater only (Caution: Short pot life). It is not recommended that you use conventional spray. Apply two coats at 10 mils thick each for dry applications. A third coat for a total thickness of 30 mils recommended for immersion applications.

Keep material between 55 degrees F and 95 degrees F. Maintain a substrate temperature between 45 and 105 degrees F. The difference in temperature between the substrate and the coating should never exceed 10 degrees F

Recoat between 6 and 14 hours at 77 degrees F. Force cure at 150 degrees F for 12 hours is recommended. Coverage is 160 square feet (15 M2)/gal/coat (Theoretical). Exterior 2 coats. Immersion 2-3 coats.

## **WARRANTY**

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## **More information**

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