



U.W. Mastic Product Data Sheet

U.W. Mastic is a two component, underwater curing, high strength, epoxy mastic compound. **U.W. Mastic** is designed as concrete rehabilitation coating and/or mortar system for corrosion protection in wastewater applications.

U.W. Mastic exhibits extremely superior physical properties and is highly chemically resistant. **U.W. Mastic** displays the following outstanding features & benefits:

- Cures underwater and in water immersion
- Can be applied on vertical and overhead surfaces in one-pass at 1/8" – 2.5" thickness without slumping, running or sagging
- High strength
- Excellent bond to Portland cement concrete and metal
- Impermeable
- High impact resistance
- Superior resistance to a wide range of corrosive chemicals
- Easily troweled or roller applied
- Excellent working time
- Pre-packaged SCP units/kits

U.W. Mastic Uses

- Tunnel Lining Repair
- Manhole Joint Sealant
- Concrete Structural Rehabilitation

U.W. Mastic can be mixed in a plastic pail. Mix Resin (Part A) and Hardener (Part B). Mix slowly by using a portable electric low speed drill. Contact P3 Polymers LLC with any questions.

Curing:

For ambient temperatures between 55°F and 70°F (13°C and 21°C) completely empty all packaged components (resin, hardener) during the mixing process.

Maximum cure times represent the amount of time required to produce ultimate compressive strength. Additional curing and higher strengths will be achieved over time.

PLEASE NOTE: **U.W. Mastic** cure rates and flowability is reduced at low temperature (below 55°F). All packaged components (resin, hardener) must be stored in ambient conditions, between 55°F and 70°F, for at least 24 hours prior to use. It is ideal to keep **U.W. Mastic** materials in a dry and well-protected area until the job site is fully prepared for mixing and placement. Do not store materials in direct sunlight.

U.W. Mastic TYPICAL PHYSICAL PROPERTIES

<i>Compressive Strength:</i>	8,000 psi
<i>Flexural Strength:</i>	4,500 psi
<i>Flexural Modulus of Elasticity:</i>	2.75 x 10 ⁵ psi
<i>Linear Shrinkage:</i>	Not measurable
<i>Pot Life:</i>	30-40 minutes
<i>Density:</i>	71 lbs./cu. ft.
<i>Tensile Strength:</i>	1,400 psi
<i>Shelf Life:</i>	6 months (unopened)

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U.W. Mastic Packaging: (Each 32.5 lb. unit/kit consists of)

Resin (Part A): (1) .5 gallon Bottle
Hardener (Part B): (1) 1 Qt. Bottle

* **U.W. Mastic** may be purchased in larger unit sizes upon request. Contact the **U.W. Mastic** representative

Mixing Procedures:

Thoroughly mix .5 gallon of Resin (Part A) with 1 quart bottle of Hardener (Part B).

U.W. Mastic Coverages

Application: Concrete Repair and Rehabilitation Applications

1/2" Thickness: .41 SF/Unit

1" Thickness: .82 SF/Unit

Before using read and follow the SDS guidelines precautions and first aid directions carefully.

Use this reference as a guide only. The information is believed to be reliable, but no guarantee is made nor do we assume liability in connection with its use.

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