



## AQUA SEAL (waterborne) EPOXY

### Technical Data Sheet

#### Description:

Aqua Seal Epoxy is a waterborne two component waterbase epoxy. Designed for use where hardness, chemical resistance and hot tire pick-up resistance are a must. Aqua Seal has excellent adhesion to many substrates. Cement and cementous surfaces, wood, steel and aluminum. Aqua Seal's low odor and fast cure make it the ideal product for interior application.

#### Benefits:

- **Excellent Adhesion**
- **Excellent Chemical Resistance**
- **Excellent Abrasion Resistance**
- **Superior Hardness**
- **Supreme Hot Tire pick-up Resistance**
- **Excellent Solvent Resistance**
- **Controls Hydrostatic Pressure up to 12 lbs.**

**Mixing Ratio: 4 parts of A to 1 part of B to 3 parts water**

#### Properties:

Solids:	% wt. 63%-66%
	% vol. 57%-59%
Odor:	Slight
pH:	8.0-8.5
Viscosity:	100 K.U.
Wt./gal.:	10lbs./gal.-12.lbs/gal.
Flash Point:	220 F.
Type:	Bisphanol A epoxy
Pot Lift:	1 to 4 hours depending on temperature and humidity
V.O.C.	89 gms./ltr. (.74 lbs./gal.)
Shelf Life	One year from date of manufacture
Coverage:	Approx. 250 sq./ft. gal depending on substrate porosity and application method

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**Mixing Instructions:**

**RATIO: 4 parts of A to 1 part of B to 3 parts of water**

Mix only the amount of material that can be used in one hour. Start by mixing part A with part B. Mix these two well (10 min by hand / 3-4 minutes low speed mixer). **LET MIXED COATING STAND FOR 10 MINUTES** (this is the induction time). After the 10 minute induction time, while mixing slowly – add water slowly. Watch coating and add the water at a rate at which it is accepted by the epoxy. **LET STAND FOR 5 TO 10 MINUTES.** Hand mix once and apply. Use “ ” to “ ” nap roller.

**Dry Time:**

Set to Touch: 4hrs. to 12hrs. depending on temperature and humidity  
Recoat: 3hrs to 12hrs. depending on temperature and humidity  
Note: To apply a second coat after 24 hour cure, a light sanding is required  
Total Dry: 72 hrs.  
Auto Parking: 7 days after application

**Chemical Resistance:**

Chemical resistance on cold rolled steel air dried 7 days at 1.0 mil thickness.  
ASTM D-1308 24 hour immersion testing.

Xylene:	slight softening / recovers
Skydroll	no effect
10% Sulphuric Acid:	no effect
10% Hydrochloric Acid	no effect
10% Acetic Acid:	no effect
Gasoline	no effect
Break Fluid	no effect
Motor Oil	no effect
Transmission fluid	no effect
Trisodium Phosphate 25%	no effect
Animal urine	no effect

**Adhesion:**

Adhesion testing is applied at 1.0 dry mils and air dried 7 days

**Concrete: EXCELLENT      Cementious surfaces: EXCELLENT**

**Cold Rolled Steel: EXCELLENT    Tin: EXCELLENT    Polycarbonates: EXCELLENT**

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**Application:**

Substrates must be free of ALL oil, grease and dirt. It is important to know that our Aqua Seal product will stick to many substrates but it is only as good as the surface to which it is applied. If the substrate has been painted, we suggest a test area to check adhesion BEFORE you do the entire job. This product is designed for interior use only. If applied in direct sun the surface will chalk and loose gloss. This can be prevented by applying a exterior type Polyurethane topcoat.

**READ M.S.D.S. BEFORE USE**

**KEEP AWAY FROM CHILDREN**

**WARRANTY**

To the best of our knowledge, the information contained herein is accurate. Our warranty shall be in lieu of any other warranty, expressed or implied. There are no warranties that extend beyond this warranty. The buyers sole and exclusive remedy against the seller shall be for the replacement of the products or refund of the purchase price in the event that the product is found defective. The buyer shall not collect or have coming any reimbursement for labor, damage or any cost other then product replacement. If product found defective, the buyer must notify seller in writing within 30 days of purchase and provide seller with the original cans the product was sold in.

**DISPOSE OF ANY UNWANTED MATERIAL IS ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.**