

# Clear Epoxy Sealer

## Technical Data Sheet (TDS)

### Product Description

**Crown Clear Epoxy Sealer** is a two component, solvent borne, epoxy/polyamide clear sealer. Clear Epoxy Sealer is designed for use on concrete, masonry, and brick.

#### Product features:

- Excellent adhesion to concrete and masonry
- Excellent abrasion resistance
- Excellent penetration
- Excellent under epoxy and thermoplastics
- Can be sprayed, padded, brushed, or rolled

### Recommended Uses

Clear Epoxy Sealer dustproofs concrete; penetrating surface pores leaving a tough durable film. In exterior applications, ideal bond coat for epoxy, urethane, and thermoplastic. Clear Epoxy Sealer can also be used a primer/sealer for epoxy and thermoplastic traffic applications.

#### Application Areas:

- Concrete floors
- Concrete block walls
- Terrazzo
- Rock
- Most masonry-based surfaces

### Mixing

**Clear Epoxy Sealer is a two component product.**

**Stir each container thoroughly prior to use.**

1 part by volume of component A [EX255]  
 1 part by volume of component B [EX256]

The recommended temperature when mixed is 68-77°F (20-25°C).

**Note: Allow for a minimum of a 15 minute induction time before applying.**

### Product Characteristics

Typical Physical Properties	
<b>Gloss:</b>	High: 85+ GU at 60°
<b>Volume Solids Mixed: (Single Component Unreduced) EX255:EX256 (1:1)</b>	21% ± 2.0%
Volume solids will vary by color	
<b>VOC (Unreduced) Mixed: EPA Method 24 EX255:EX256 (1:1)</b>	669 g/l 5.585 lb /gal
VOC content will vary with each color	
<b>Shelf Life:</b>	
<b>Component A</b>	2 years
<b>Component B</b>	2 years
For unopened product (77°F (25°C))	
<b>Weight Gallon: EX255:EX256 (1:1)</b>	7.5 ± 0.2lb/gal
<b>Pot Life: (77°F (25°C) and 50% RH)</b>	16 Hours

### Surface Prep

Surfaces to be finished must be clean, dry and free of dirt, oil or any contamination that would adversely affect adhesion, protective properties or appearance of the coating.

Any concrete must be sufficiently cured to have complete hydration, approximately 28 days before applying Clear Epoxy Sealer.

For questions regarding other substrates contact your Crown Representative.

### Application Method

Material can be applied by conventional air, air-assist airless, airless, pad, squeegee, roller, or brush.

Avoid thick films or puddling of product. Coverage will depend on porosity of substrate.

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### Spray Gun Setup

Feed Type	Fluid Tip	Application Pressures (heel of gun)	Fluid Delivery
Siphon Feed	1.6-1.8 mm	40-50 psi	
Gravity Feed	1.6-1.8 mm	30-40 psi	
Pressure Feed	1.4-1.8 mm	50-60 psi	10-14 oz/min
Air Assist Airless	9 -13 Thou	1,000-1,800 psi	
Airless	9-13 Thou	1,700-3,000 psi	

### Spray Viscosity

Supplied Viscosity- [ 77°F (25°C)] Component A	
#2 Zahn Cup	13 – 15 Seconds

**Note: Material is packaged at a viscosity requiring little or no reduction for application by airless spray equipment.**

**Note: Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and the desired surface finish.**

#### IF THINNING IS REQUIRED:

**Recommended Solvent: Epoxy Thinner. MEK and acetone may be used.**

### Film Build

Clear Epoxy Sealer has a recommended film build thickness of:

<b>Wet: WFT Unreduced</b>	<b>4.0 – 6.0 mils</b>	<b>100 – 150 microns</b>
<b>Dry: DFT</b>	<b>0.8 – 1.2 mils</b>	<b>20 – 30 microns</b>

Theoretical coverage at 1.0 mil (25 microns).  
 DFT: 336 ft<sup>2</sup> per gallon at 100% transfer efficiency.

**Note: Thermoplastic applications will have wet film recommendations 2 to 3 times higher than those noted when applied by a striping machine.**

### Dry Times

	70°F (21°C)
<b>To Touch</b>	5 -10 Minutes
<b>To Handle</b>	30 Minutes
<b>To Recoat</b>	1 Hour
<b>Through Dry</b>	8 Hours
<b>Full Cure</b>	7 Days

**Note: Once the solvent has left the film, thermoplastic may be applied.**

Optimum drying conditions are 60°F to 90°F (16°C to 32°C) at 50% R.H. Lower temperatures and high humidity will slow dry time. Surface must be dry and at least 5°F(3°C) above the dew point.

**Note: Never apply to masonry surfaces that are high in moisture content (above 20%), check with a moisture meter.**

### Clean Up

Clean all equipment immediately after use with xylol for spray guns and line, pots and other equipment. Follow manufacturer's safety recommendations when using any solvent.

**Note: Due to limited potlife, never leave catalyzed paint in spray equipment.**

### Ordering Information (sizing)

Package sizes available:  
 1 gallon, 5 gallons, 55 gallon drums

Custom colors and sizes may be available.

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### Environmental Conditions

For optimum coating performance product, substrate and ambient temperature should be above 50°F (10°C). To prevent condensation during application the surface temperature must be 5°F (3°C) or more above the dew point.

**Note: For use outside this range please contact your Crown Representative.**

### Storage Conditions

**Storing partially used container uncatalyzed:**

Pour a small amount of the recommended thinner over the surface. Do not stir. Replace lid securely. Store away from heat or open flame.

**Mix thoroughly before reusing.**

### Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be obtained by contacting Crown Paint.