

Clear Epoxy Sealer

Technical Data Sheet (TDS)

Product Description

Crown Clear Epoxy Sealer is a two component, solvent borne, epoxy/polyamide clear sealer.

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

Crown Clear Epoxy Sealer is designed for use on concrete, masonry, and brick. **Crown Clear Epoxy Sealer** dustproofs concrete; penetrating surface pores leaving a tough durable film. In exterior applications, ideal bond coat for epoxy, urethane, and thermoplastic. **Crown 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

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.

Material is packaged at a viscosity requiring little or no reduction for application by brush, roller or spray. For other spray methods, refer to Spray Gun Setup section.

Product Characteristics

Gloss: High 85+ GU at 60°

Volume Solids Mixed: 22% +/- 2%

VOC Mixed (Unreduced): (EPA Method 24):
672 g/l (5.6 lb/gal)

Potlife: 16 hours at 77°F (25°C) and 50% RH

Weight Gallon: 7.5 lbs/gal ± 0.2 lb/gal

Shelf Life:

Component A: 2 years at 77°F (25°C)

Component B: 2 years at 77°F (25°C)

Note: For unopened product.

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 **Crown Clear Epoxy Sealer**.

All 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	0.009-0.017"	1,000-1,800 psi	
Airless	0.011-0.015"	1,700-3,000 psi	

Spray Viscosity

Using a #2 Zahn Cup	
13-15 Seconds*	Reduce as necessary*
Conventional	Airless

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

Crown Clear Epoxy Sealer has a recommended film build thickness of:

Wet (unreduced): 4-6 mils wet (100-150 microns)

Dry: 0.8-1.2 mils dry (20-30 microns)

Theoretical coverage at 1.0 mil (25 microns)
 DFT: 352 ft² 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.

Theoretical coverage at 1.0 mil (25 microns)
 DFT: 352 ft² per gallon at 100% transfer efficiency.

Dry Times

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

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

Optimum drying conditions are 60°F - 90°F (16°C - 32°C) at 50% R.H.

Lower temperatures and high humidity will slow dry.

Surface must be dry and at least 5°F 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.

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Ordering Information (sizing)

Available in Gallon, 5-gallon, 55-gallon drum.
Custom sizes may be available.

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 at all times.

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

Storage Conditions

Storing partially used container:

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.