

# Clear Acrylic Sealer

## Technical Data Sheet (TDS)

### Product Description

**Crown Clear Acrylic Sealer** is a one component, solvent-borne, clear acrylic sealer providing a clear gloss finish.

#### Product features:

- Non-yellowing
- Available in Gloss or Semi- Gloss
- Good water and salt chemical resistance
- Good abrasion resistance
- Interior and exterior
- Can be sprayed, padded, or rolled.

### Recommended Uses

**Crown Clear Acrylic Sealer** is designed for use on concrete, masonry, and brick. It will dustproof concrete by penetrating surface pores leaving a tough durable film.

#### Application Areas:

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

### Mixing

**Stir each container thoroughly prior to use**

**Crown Clear Acrylic Sealer** 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 Single Component:** 20% +/- 2%

**VOC Single Component (Unreduced):**  
(EPA Method 24): 695 g/l (5.8 lb/gal)

**Weight Gallon:** 7.6 lb/gal ± 0.2

**Shelf Life:** 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 Acrylic 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 and two coats may be required.

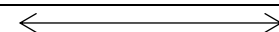
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### Spray Gun Setup

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	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:**

**Cool Weather: Below 65°F (18 °C)**

**Use:** Toluol/TS100

**Normal Weather: Below 65-80°F (18-27 °C)**

**Use:** Xylol /TS105

**Hot Weather: Above 80°F (27 °C)**

**Use:** Xylol /TS105 and/ or SC-100 or SC-150 can be used as a retarder solvent to reduce dry spray and increase flow and leveling. Limit the level of SC-150 to 5% as a retarder solvent.

**Note: Do Not Use** VM&P Naphtha or Mineral Spirits

### Film Build

**Crown Clear Acrylic 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: 320 ft<sup>2</sup> per gallon at 100% transfer efficiency.

### Dry Times

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

**Note: Dry Times are subject to ambient conditions (temperature and humidity) and good airflow and film build of the product.**

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.

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### 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.

### Ordering Information (sizing)

Available in Aerosol, Gallon, 5-gallon, 55-gallon drum, and 300 gallon tote.

Custom sheens and 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.