

Pool Paint

PP1100 - White

Technical Data Sheet (TDS)

Product Description

Crown Pool Paint is single component chlorinated rubber-acrylic concrete swimming pool coating.

Product features:

- Unique blend of chlorinated rubber and acrylic
- Low to No HAPS
- Brush, roll, spray application
- Available in various colors

Recommended Uses

Swimming Pool Paint is intended for industrial applications, either new build or maintenance. It is ideal for the interior or exterior new or previously painted pools.

Application Areas:

- Guniting Pools
- Masonry Pools
- Plastered Pools
- Other Concrete and Masonry Surfaces above and below ground

Product Characteristics

Typical Physical Properties Single Component	
Gloss: Satin: 20-35 GU at 60°	
Volume Solids: (Unreduced) PP1100 White	45% ± 2%
Volume solids will vary by color	
VOC (Unreduced): EPA Method 24 PP1100 White	466g/l 3.886 lb /gal
Note: The VOC level will vary per color.	
Shelf Life: For unopened product (77°F (25°C))	
Swimming Pool Paint	2 years
Weight Gallon: PP1100 White	11.8 ± 0.2lb/gal

Surface Preparation

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. Drain and scrub down pool with a mixture of one cup TSP per gallon of warm water, pay special attention to pool-steps, waterline, and area around drains. Wear rubber gloves and safety goggles for protection against splash and exposure to cleaning solution. Remove all loose paint and algae. Rinse well. Wait at least 3 days of dry weather before painting.

For questions regarding other substrates contact your Crown Representative.

Mixing

Pool Paint is a single component ready to use product.

Stir each container thoroughly prior to use.

Application Method

Pool Paint can be applied by brush, roller, conventional air, air-assist airless, or airless, electrostatic and/or heated equipment.

Make sure the pool surface is completely dry before painting and will not be affected by evening moisture or rain while paint is wet.

Apply Pool Paint as a two-coat process. Reduce the first coat with 10% Xylol or Toluol. Wait 6 hours before applying the second coat. Allow to cure for at least 5 days of warm weather before refilling pool.

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 -17 Thou	1,000-1,800 psi	
Airless	11-15 Thou	1,700-3,000 psi	

Supplied Viscosity - [78°F (25°C)]	
Stormer Viscometer	75 - 80 KU

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

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

IF THINNING IS REQUIRED:	
Temperature Range	Recommended Thinner
Below 65° F (18° C)	Toluol /TH100
65° F- 80° F (18-27° C)	Xylol /TH105
Above 80° F	Xylol /TH105
Above 80°F: 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.	
VM&P Naphtha or Mineral Spirits should never be used.	

Film Build

Pool Paint recommended film thickness:

Wet: WFT	3.5 – 6.5 mils	89 – 165 microns
Unreduced		
Dry: DFT	1.5 – 3.0 mils	38 – 76 microns

Theoretical coverage at 1.0 mil (25 microns)
DFT: 721 ft² per gallon at 100% transfer efficiency.

Spreading rate: 250-300 feet per gallon.

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Dry Times

	70°F (21°C)
To Touch	2 Hours
To Handle	6 Hours
To Recoat	8 Hours
Through Dry	18 Hours
Before Water Immersion	5 Days

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

Optimum drying conditions are 60 - 90°F (16 - 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.

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

Product may also be force cured to enhance dry. Force cure temperatures in the range of 110-180°F (43 - 82 °C) may be utilized to accelerate solvent evaporation and speed oxidation.

Clean Up

Clean all equipment immediately after use with Xylol, Aromatic Solvent, Acetone, or MEK for spray guns and line, pots, and other equipment.

Follow manufacturer's safety recommendations when using any solvent.

Ordering Information (sizing)

Package sizes available: 1 gallon, 5 gallons, 55-gallon drum, Custom colors 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 always be 5°F (3°C) or more above the dew point.

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.