

Zone Marking Paint

Technical Data Sheet (TDS)

Product Description

Crown Zone Marking Paint is a single component fast drying alkyd interior/exterior paint designed for use on cured concrete and asphalt surfaces.

Product features:

- Quick drying/ Bleed resistant
- Resists abrasion, oils, grease, gasoline
- Good weathering
- High visibility
- Ready to use
- Interior/exterior use

Recommended Uses

Crown Zone Marking Paint is intended for industrial applications; either new build or maintenance.

Crown Zone Marking Paint is ideal for concrete and asphalt surfaces and can serve as a binder for glass beads to make reflective markings.

Product uses:

- Cured asphalt, concrete, brick
- Striping contractors
- Parking lots, curbs
- Airport runways

Mixing

Crown Zone Marking Paint Used as Single Component.

Stir each container thoroughly prior to use.

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

Product Characteristics

Typical Physical Properties

Gloss: Flat <10 GU at 60°

Volume Solids Mixed: 54% +/- 2%

VOC (Unreduced): (EPA Method 24):

T244 White: 337 g/l (2.81 lb/gal)

Note: The VOC level will vary per color.

Weight Gallon: 12.6 lbs/gal ± 0.2 lb/gal

Shelf Life: 2 years at 77°F (25°C)

Note: For unopened product.

Surface Prep

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

All other substrates contact your Crown representative.

Application Method

Crown Zone Marking Paint can be applied by conventional air, air-assist airless, airless striping machines.

Crown Zone Marking Paint may also be brush and rolled.

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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

75-80 KU at 77°F	Reduce as necessary*
Conventional	Airless

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

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

IF THINNING IS REQUIRED:

Use VM&P Naphtha.

Film Build

Crown Zone Marking Paint has a recommended film build thickness of:

**Wet (unreduced): 6-12 mils wet
(150-300 microns)**

Dry: 3.0-6.0 mils dry (150-300 microns)

Theoretical coverage at 1.0 mil (25 microns)
 DFT: 866 ft² per gallon at 100% transfer efficiency.

Dry Times

	70°F (21°C)
To Touch	15 mins
No Traffic Pickup	15 -30 mis
To Recoat	1 Hours
Through Dry	18 Hours

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. Surface must be dry and at least 5°F above the dew point.

Clean Up

Clean all equipment immediately after use with VM&P Naphtha, 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)

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

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 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.

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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.