

Kryptaglow® Topcoat Marine

Product Data Sheet



PRODUCT DESCRIPTION A heavy duty two component, product formulated to provide resistance against a wide range of solvents and chemicals under splash and spill conditions on a variety of substrates. Kryptaglow® can be applied to tightly adhered existing coatings. Use for heavy duty service on properly prepared masonry, drywall and structural steel surfaces.

INTENDED USES Designed for heavy duty commercial and industrial maintenance on properly prepared concrete block, poured concrete, structural steel, machinery and equipment, tank exteriors and pipes. These are typical uses and are not intended to limit the use of this product.

PHYSICAL PROPERTIES	Base	Part A	
	Cure	Part B	
	Resin Type	2 Component Heavy Duty Marine Coating	
	Clean-up Solvents	MEK	
	Mixing Ratio (by volume)	1 Part Resin to 1 Part Cure	
	Thinning	Do Not Thin	
	Finish/Sheen	90+ @ 60°	
	Solids by Weight	71%	
	Solids by Volume	52%	
	Theoretical Coverage **	834 ft ² /gal @ 1 mil	
	Dry Film Thickness/Coat	2-3 mils (50-70 microns)	
	Wet Film to Achieve DFT	4-6 mils (100-150 microns)	
	Coverage at DFT	278-417 ft ² /gal	
	VOC's	3.66 lb/gal (440 gm/liter)	
	Induction Time	None	
	Pot Life	8-10 hours	
	Drying Time * [At 70°F(20°C)]ASTM D 1650]	10 minutes	
	Set To Touch	Minimum Re-Coat	Maximum Re-
	Dry Through/Re-Coat	Coat	Coat
		4 hours	14 days

* Dry times vary with surface temperature, air movement, humidity and film thickness.

** Coverage rates are estimates based on the products volume solids and make no allowance for material loss during application. Actual spread rates may vary dependent on applicator experience, surface porosity and texture.

RECOMMENDED PRIMERS	Ferrous Metal	Fast Dry Alkyd Primer
	Galvanized & Aluminum Metal	Self-priming
	Wood	Self-priming
	Drywall	P.V.A. Primer
	Plaster	Alkyd Enamel Undercoat

Interior Concrete Block (Wet Environment)	Block Filler Acrylic Epoxy Block Filler
Interior Concrete Block (Dry Environment)	Block Filler
Exterior Concrete Block Poured Concrete	Block Filler Clear Concrete Primer/Sealer

SURFACE PREPARATION

All surfaces must be clean, sound, dry and free of all dirt, dust, wax, oil, grease, chalk and any other contamination that would interfere with new coating adhesion. Bare surfaces must be properly prepared and primed prior to application of this product.

Masonry Surfaces: Poured Concrete Concrete Block

New concrete must cure for a *minimum* of 30 days at 72°F (22°C) prior to coating application. Level all surface projections and mortar spatters by stoning. Rake mortar joints clean and remove all soluble salts. Kryptaglow® is self-priming on masonry surfaces, however, see "Recommended Primers, Fillers and Sealers" for primer recommendations for interior and exterior masonry surfaces in dry and wet areas.

Ferrous Metal Surfaces:

Abrasive blast new steel to SSPC-SP-6. Use proper abrasive to achieve an average of 1.5 to 2 mil profile. Blasted surfaces should be primed before flash rusting occurs. If blasting is not practical, remove loose rust and mill scale with hand or power abrading tools as per SSPC-SP-2 and SSPC-SP-3.

New Galvanized & Aluminum Surfaces:

Remove surface contamination or passivators by scrubbing with a cleaning & etching solution or blast per SSPC-SP-7 brush off blast.

Weathered Galvanized & Aluminum Surfaces:

Power or hand wash with detergent and rinse thoroughly. The surface must be dull and have a profile. Use a cleaning & Etching solution if needed or blast per SSPC-SP-7 brush-off blast.

Wood Surfaces:

Sand smooth any exposed wood surfaces. Patch nail holes and any imperfections with wood filler or putty and sand smooth. Remove sanding dust.

Plaster Surfaces:

New plaster must cure for a *minimum* of 30 days at 72°F (22°C) prior to coating application. Sand, fill cracks with spackling compound, allow to dry and sand smooth. Remove dust.

Drywall Surfaces:

Fill nail holes and imperfections with spackling compound and allow to dry. Sand tape joints and spackled areas and remove dust.

Previously Painted Metal Surfaces:

Power or hand washing is recommended to remove contamination. If oil or grease is present, use of a cleaner/degreaser is required. All cleaning residue must be completely rinsed from the surface. Allow to dry. Remove all loose coatings, rust and corrosion by scraping, sanding or other abrading method as per SSPC-SP-2 and SSPC-SP-3, or abrasive blast as per SSPC-SP-6 commercial blast. Use sandpaper to dull slick, glossy and/or non-porous surfaces with sandpaper.

Mildew:

Remove by using a solution of one part household bleach and three parts water. Apply to mildewed area and scrub. Allow solution to remain on the surface for 3 to 5 minutes and then rinse completely and allow to dry before coating application.

APPLICATION

Part A (resin) and Part B (cure) are packaged in pre-measured kits. The mixing ratio is 1 part A to 1 part B. Stir both components prior to intermixing. Thoroughly mix Part B into Part A using an explosion-proof power drill and Jiffy mixer to disperse pigments. The material must be applied within the estimated pot life. For optimum application, air and surface temperature should be from 50° to 90°F (10° to 32°C) and at least 5°F (3°C) above the dew point. Above 122°F (50°C), sagging may occur. A minimum surface temperature of 50°F (10°C) for eight hours after application is recommended to achieve proper film formation.

Brush or Roller:

Apply product in full even coats. Maintain a wet edge. To insure adequate film build, two coats are recommended when applying by brush or roller (See the drying times chart for re-coat period). Allow the product to dry between coats. A good quality bristle brush will make application easier. Select a roller cover suited for the texture of the surface to be coated.

Airless Spray:

Flush airless lines with Gun Cleaner or MEK. Equipment must be clean prior to start. Apply a wet coat in even, parallel passes with 50% overlap to avoid bare areas and pinholes.

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.017" to 0.012"	2500 – 3000 PSI	1/4" to 3/8"	60 mesh

SAFETY PRECAUTIONS

Paint products contain chemical ingredients, which are considered hazardous. Prior to use, read container label warnings and the current Material Safety Data Sheet for important health and safety information. Insure these instructions are practiced during product application and cure. **Keep out of reach of children.**

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