



FLEXIBLE Ceramic Coating

ADVANCED PERFORMANCE PROPERTIES

- *VERY HIGH ADHESION*
3 to 5 times better than standard epoxies
- *Extremely Low Moisture Perm Rate*
- *Excellent Abrasion Resistance*
- *Excellent Barrier Coat*
- *Direct to Substrate—NO Primers*
- *High Surface Lubricity*

TOUGH BARRIER COATING

ENCAPSULATING CERAMIC SHELL TECHNOLOGY

Discover what some of the best builders, OEMs, repair yards and entertainment companies have already discovered.
IT WORKS!





FLEXIBLE Ceramic Coating

CeRam-Kote Marine is specifically engineered to provide atmospheric corrosion control, abrasion resistance and immersion service. CeRam-Kote Marine is **not** recommended for chemical service. CeRam-Kote Marine can be matched to most colors. CeRam-Kote Marine can be overcoated with anti-fouling paints as well as urethane top coats.

CeRam-Kote Marine protects by binding ceramic particles in a unique resin system, thus creating an **encapsulating ceramic shell**. Each ceramic particle is resin coated and becomes tightly packed in the cured film.

The **compact density** of the cured film of CeRam-Kote Marine enhances the coating's **sliding abrasion** resistance, providing increased protection against the forces of erosion/corrosion and abrasion.

CeRam-Kote Marine's **direct-to-substrate** one-coat, two-pass system translates to increased production efficiency and significantly reduced down-time which are essential in industry today.

Extremely high adhesion to virtually any substrate, extraordinary mechanical properties and quick turnaround time make CeRam-Kote Marine a superior protective coating when you need to get back in service fast.

TEST DATA

PHYSICAL PROPERTIES	
Adhesion (ASTM D 4541, elcometer pull-off)	3,306 psi (22.79 MPa)
Adhesion (ISO 4624)	4,900 psi (33.78 MPa)
Abrasion Resistance (ASTM D 4060, Tabor Test 1,000 cycles, CS 17 wheel, 1kg)	23 milligrams loss
Flexibility (ASTM D 522, Conical Mandrel Bend at 75°F)	15% elongation
Impact Resistance - Direct (ASTM D 2794)	38 inch-pounds
Impact Resistance - Reverse (ASTM D 2794)	18 inch-pounds
Impact Resistance - Direct (ASTM G 14)	89 inch-pounds
Salt Fog Resistance (ASTM B 117 at 1,000 hours)	Pass
Cyclic Corrosion (ASTM D 5894)	Pass
Chemical Testing (ASTM G 20 - modified to 30 days at 75°F / 23.9°C) HCl in H ₂ O: pH of 2.9 HF in H ₂ O: pH of 2.9 H ₂ SO ₄ in H ₂ O: pH of 2.1 NaCl (10%) + H ₂ SO ₄ : pH of 2.9 NaCl (10%) in H ₂ O Methanol	No Change No Change No Change No Change No Change #6F to #6M blisters in vapor and liquid phase
VOC (Volatile Organic Compounds)	1.65 lb/gal (198 g/lit)

Note: Detailed test information is available upon request.

Suggested Uses:

Marine: Barrier coat, hatches, hulls, decks, bilges, handrails, waste tanks, fuel tanks, exterior water tanks, running gear, trim tabs, cap rails, water ways