# *CHEMICAL-RESISTANT* Coating

Ceramic particle loading significantly enhances the dynamic chemical performance of the CeRam-Kote 2000 novolac resin system. Total performance characteristics of CeRam-Kote 2000, both chemical and mechanical, are significantly better than liquid epoxy, fusion-bond epoxy and other high performance coating systems.

CeRam-Kote 2000 protects by binding ceramic particles to a unique resin system, thus creating an **encapsulating ceramic shell**. Each ceramic particle is resin coated and becomes tightly packed in the cured film.

**Suggested Uses:**
Internals in Tanks
Hydrocarbon Service
Harsh Chemical Environments
Blow Out Preventers
Petrochemical Environments
Secondary Containment
Clarifiers
Non-UV Areas
Wastewater Treatment Pumps
Internals in Valves
Wastewater Treatment Lift Stations
Fuel Tanks
Internals in Vessels and Piping
Brine Tanks

CeRam-Kote 2000 is a **tough barrier coating** for internal immersion service that is highly cross-linked to provide superior chemical resistance. The coating may be force-cured with heat for enhanced performace in extremely harsh environment.

## INTERNAL IMMERSION SOLUTION

CeRam-Kote 2000's **direct-to-substrate** one-coat, two-pass system translates to increased production efficiency and significantly reduced down-time, essential in industry today. CeRam-Kote 2000 is available in white, grey and tan. The CeRam-Kote 2000 formula has an ABS Certificate of Design Assessment #05-HS487406-PDA.

| PHYSICAL PROPERTIES | |
|---|---|
| **Adhesion** (ASTM D4541, elcometer pull-off) | >16.54 Mpa (2,400 PSI) |
| **Abrasion Resistance**(ASTM D 4060, Tabor Test 1,000 cycles, CS 17 wheel, 1kg) | 37.3 milligrams loss |
| **Flexibility** (ASTM D 522, Conical Mandrel Bend at 24°C) | 11% elongation |
| **Impact Strength** (ASTM G 14) | 1.47 joules |
| **Dielectric Strength** (ASTM D 149) | 2,500 vols/mil |
| **Static Coefficient of Friction** (ASTM D 4518-90) | 0.187 mean static friction value |
| **Salt Spray** (ASTM B117 at 1000 hours ) | Pass |
| **Water Vapor Transmission** (ASTM E96) | 0.157 grains per sq.ft per hour |
| **VOC (Volatile Organic Compounds)** | 89 g/litre |






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