CHEMICAL-RESISTANT Coating

Ceramic particle loading significantly enhances the dynamic chemical performance of the CeRam-Kote 2000 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.

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 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.

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 performance in extremely harsh environment.

CeRam-Kote 2000's **direct-to-substrate** one-coat, two-pass

INTERNAL IMMERSION SOLUTION

system translates to increased production efficiency and significantly reduced down-time, essential in industry today. CeRam-Kote 2000 is available in white and grey. 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 (calculated value)