

Comparison of Coating Systems

FACT: CeRam-Kote 54® and CeRam-Kote 99 out-perform typical epoxies.

A Typical Leading Epoxy



Ceramic Epoxy



Ceramic Epoxy

VOC's	1.7 lb/gal	1.63 lb/gal less water	1.65 lb/gal less water
% Solids	83% +/- 3%	80% +/- 2%	75% +/- 2%
Abrasion resistance	102 mg	27 mg ~4 times more abrasion protection	23 mg >4 times more abrasion protection
Impact resistance - Direct (ASTM D2794)	24 inch pounds	>50 inch pounds >2 times the impact resistance than regular epoxies	38 inch pounds > 1 1/2 times the impact resistance than regular epoxies
Adhesion	900 psi	>4000 psi 4.44 times superior adhesion to the substrate	>3,000 psi 3.33 times superior adhesion to the substrate
at 72°F the required time to go in non-immersion service	20 hours	12 hours 8 hours faster turnaround time	12 hours 8 hours faster turnaround time
at 72°F the required time to go in immersion service	7 days	3 days >2 times faster turnaround time	3 days >2 times faster turnaround time
at 72°F the required time for recoat	16 hours minimum (960 minutes)	15-30 minutes thin film/more protection	15-30 minutes thin film/more protection
Does the first coat need to be dry before 2nd?	No	No	No
What is the total maximum dry film thickness	10-16 (5-8 mils DFT per coat)	7-10 mils (3 1/2 - 5 mils DFT per coat) thin film/more protection	7-10 mils (3 1/2 - 5 mils DFT per coat) thin film/more protection

CeRam-Kote 54® and CeRam-Kote 99 are clearly superior protective coating materials than the other “epoxy”. CERAM-KOTE COATINGS, INCORPORATED, through its unique blending of ceramic particles and epoxies, is able to make the epoxy contained in CeRam-Kote 54® and CeRam-Kote 99 perform better than the chemistry that is designed into any one standard epoxy.

Performance properties, application benefits and time saving features make CeRam-Kote 54® and CeRam-Kote 99 the coatings of choice.

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