



The CeRam-Kote **ceramic particle loading** coating technology results from CERAM-KOTE COATINGS, INCORPORATED's unique ability developed over 22 years and the trial of hundreds of formulas. Ceramic particle loading is the addition of a complex series of ceramic particles into a resin solution which causes the resin solution to out-perform its basic chemistry.

CeRam-Floor Systems are a result of CERAM-KOTE COATINGS' continued effort to identify unique coating solutions that perform in areas outside the performance capability of the existing CeRam-Kote family of coatings and enhance their performance with ceramic particle loading.

CERAMIC PARTICLE LOADING

Based on the proven success of ceramic particle loaded coatings, time-tested since 1985, CeRam-Floor Systems are formulated using that same technology to provide tough, durable surface protection in mild to harsh environments.

ENCAPSULATING CERAMIC SHELL

enhances the performance of the CeRam-Floor *Self Leveling Ceramic Slurry* and the recommended CeRam-Kote topcoat resin systems. Ceramics are not packaged in the CeRam-Floor primer or trowelable resurfacing material. However, total performance characteristics of CeRam-Floor Systems are enhanced with the addition of the ceramic loaded products.

Ceramic particle loading significantly

CeRam-Floor ceramic products protect 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 products yield dynamic intangible benefits such as superior protection against the forces of abrasion, light impact and erosion.

CeRam-Floor Systems provide **tough barrier protection** to properly prepared concrete and most other floor substrates. Whether the application simply is a residential garage floor or an industrial floor with heavy-duty protective needs, a CeRam-Floor System can be designed to offer the best protection to fit the job.

CONCRETE COATING PROTECTION

Self-Leveling Ceramic Slurry - PHYSICAL PROPERTIES	
Adhesion to Concrete - (ASTM D4541, elcometer pull-off)	>1,050 psi (7.24 MPa)
Abrasion Resistance (ASTM D4060, Tabor Test 1,000 cycles, CS 17 wheel, 1kg)	0.2 gm loss
Compressive Strength - (ASTM C579)	5,144 psi (35.47 MPa)
Tensile Strength - (ASTM C307)	1,637 psi (11.29 MPa)
Flexural Strength - (ASTM C580)	3,267 psi (22.53 MPa)
Hardness - (ASTM D2240 - Shore D)	80
Flammability - (ASTM D6350)	Self-extinguishing
VOC (Volatile Organic Compounds)	zero



CERAM-FLOOR SYSTEM COMPONENTS

CeRam-Floor Primer – is an epoxy resin designed to penetrate and provide a seal coat to unsealed concrete. The resin system has zero VOCs and serves as a primer for CeRam-Floor – *Self Leveling Ceramic Slurry*, or topcoats: CeRam-Floor TC-1, CeRam-Floor TC-M or CeRam-Thane 300.

CeRam-Floor – Trowelable Resurfacing Material is a high build protective resurfacing system which utilizes 100% solids binder resins and a selected silica sand package to produce a tough and impact-resistant resurfacing material that is applied with a hand trowel.

CeRam-Floor – SELF LEVELING CERAMIC SLURRY is a high build (30-60 mils / 750-1500 microns) protective resurfacing system which utilizes 100% solids binder resins and a selected ceramic/aggregate package to produce a self-leveling material that is easily applied with a v-notched trowel or squeegee.

CeRam-Floor TC-1 – Topcoat for Floor System is a thin-film, spray or roller applied and air-cured ceramic epoxy system engineered to be cleanable. It is recommended as an economical topcoat over CeRam-Floor Primer or CeRam-Floor – *Self Leveling Ceramic Slurry*. CeRam-Floor TC-1 is not recommended for areas exposed to UV light.

CeRam-Floor TC-2 – Topcoat for Floor System is a thick-film, air-cured ceramic epoxy coating system recommended for use on floors. Ideal for use as a chemical resistant, non water-spotting, high gloss topcoat. CeRam-Floor TC-2 is available in a variety of colors. Fast, one-coat application.

CeRam-Floor TC-M – Topcoat for Floor System is a thin-film, ceramic epoxy coating system recommended as a topcoat over CeRam-Floor Primer or CeRam-Floor – *Self Leveling Ceramic Slurry*. CeRam-Floor TC-M offers an amine-blush free cured film and offers excellent water spotting resistance. The cured film is a shiny, slick coating that has excellent flow properties.

CeRam-Thane 300 – is a heavy duty, high performance, two-component, exterior/interior, VOC compliant, high solids, polyester aliphatic urethane. Super tough, wet-look, high gloss finish with maximum gloss and color retention. Designed to withstand aggressive industrial environments and provide excellent durability against severe weather conditions, prolonged exterior exposure, abrasion, impact and general chemical attack.



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