BIOLOGICALLY IMPERVIOUS™ COATINGS

NON-POROUS, EASILY CLEANABLE, ACTIVE ANTIMICROBIAL LAYERS

CERAMYCGUARD™

CeramycGuard™ is a concrete surface coating that uses nano-Alumina and Zirconia Silicates to renew and preserve concrete surfaces. This new technology inhibits attack from water, chlorides, carbonation, biological infection, and sulfates that are the main causes of concrete decay. Zirconia has the same kill mechanisms as copper and silver. The CeramycGuard system is UV reactive which causes H20 at the surface to convert into oxides like hydrogen peroxide(H2H2) and killing surface pathogens. A LEED 4.2 compliant material, CeramycGuard provides superior performance properties while maintaining ease of application properties.

COMPOSICOAT™ FLOOR FINISH

A three-layer system that chemically bonds to concrete for exceptional chemical, abrasion, and microbial resistant protection. With the ComposiCoat Floor Finish system, chemically unstable concrete is replaced by an ultra-stable ceramic-urethane composite, protecting it from chemical and physical erosion. This unique flooring system is also Biologically Impervious®, meaning it is designed to eliminate microbial habitat and continuously prevents microbial invasion and growth.

QUARTZSEAL

QuartzSeal™ is penetrating, chemically bonded, inorganic sealant that when applied over CeramycGuard™ further inhibits water, chemical pollutants and the “near zero porosity” inorganic glass layer finish helps seal out dust, dirt and protects against stains. Rising to the surface of QuartzSeal™ is a dense layer of electrostatically charged nano-swords that prevent microbial occupation and create a Biological Impervious*, super clean surface.

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ZIRCONIA

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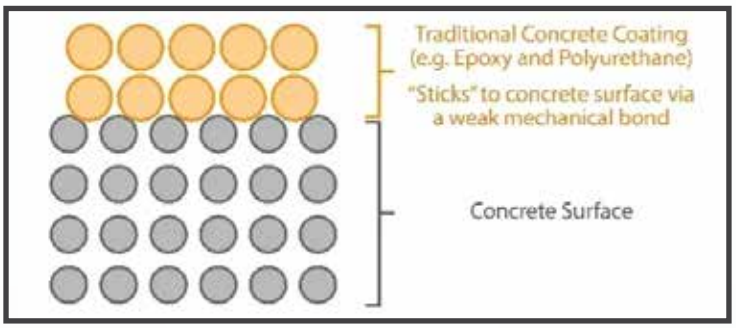
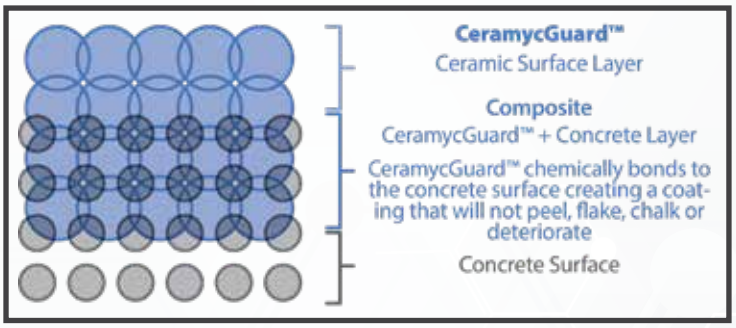
Biologically Impervious™ refers to surface systems that are engineered with very specific characteristics to perpetually prevent the survival of microbes within and on infrastructure surfaces, which can destroy building materials as well as cross-contaminate food, water, animals, and humans.

BIOSEC

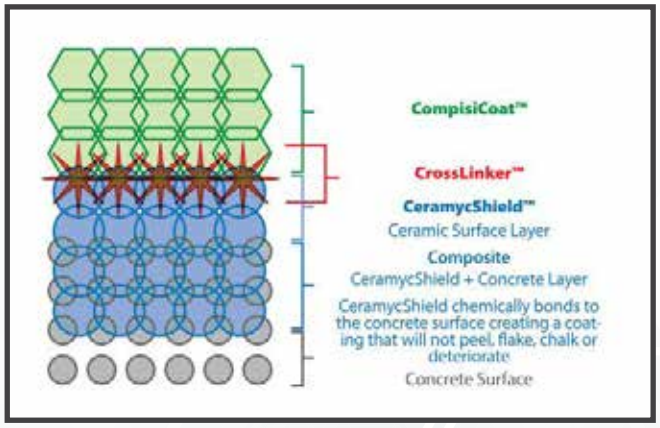
TRADITIONAL COATINGS



CERAMYCGUARD™

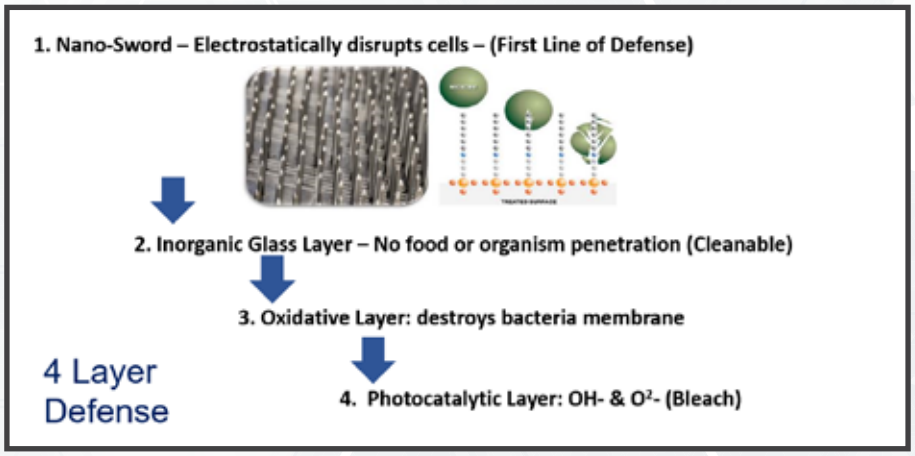


COMPOSICOAT™ SYSTEM



4-LAYER DEFENSE

Our systems can have up to 4 layers of antimicrobial systems or mechanisms to protect the surfaces and environment. For example, the CeramycGuard/QuartzSeal coating system has a 4-layer defense, as shown. This system provides multiple layers of microbial defense both from above and below.



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