

CeramycGuard™

Alumina-Silicate Polymer Restoration Agent

Heals, seals and protects concrete from corrosion



DESCRIPTION

CeramycGuard™ is a chemically-bonded ceramic surface treatment that permanently protects concrete from corrosion. Once applied and cured, it becomes part of the concrete – forming a hard, granite-like surface that will not peel, flake, chalk, or delaminate. It seals the concrete against salt, carbonation, moisture, UV, and biological attack, and heals surface cracks and spalls up to 5 mm wide. The treated surface is harder and denser than the concrete underneath, but still breathes – allowing water vapor to escape while blocking corrosive substances from entering. Uniquely, this technology replaces cement lost to the corrosion process, and restores the concrete integrity to a "like new" condition

USES

For long-term protection of all concrete infrastructure, new or existing. Provides extreme resistance to weather, salt, thermal cycling and other corrosive pressures.

APPLICATION

Concrete must be clean and free of oil, grease, or other bond breakers. Existing concrete should be primed with Zirconia PoreBlocker™ first for maximum performance. Apply **CeramycGuard™** to Saturated Surface Dry concrete, with a low- to medium-pressure sprayer or roller. Only a single coat is required. Results will vary depending on porosity. Initial cure in 24 hours; full cure in 7 days.

PRECAUTION

Irritant to skin and eyes, wear gloves and eye protection. Do not apply below 55°F (13°C) or above 90°F (32°C). Do not apply if rain is forecast within 24 hours. Wear gloves and eye protection.

TECHNICAL DATA

Color: Light gray to tans

Flash point: None – non-flammable, water-based.

Coverage: 150–200 sq. ft. per gallon (14–18.6 m²/gal) at 7–9 mils*. Adhesion (ASTM D4541): >1000 psi (concrete failure).

Initial Cure: 24 hours. **Full cure:** 7 days.

PACKAGING

CeramycGuard™ is available as one gallon, three-part kits: Part A Liquefier, Part B Ceramic Powder, Part C Densifier.

STORAGE

Two years if stored in original sealed containers indoors, below 100°F (38°C), away from direct sunlight and freezing.

Technical Support:

Benjamin Cook, President • benjamin.cook@zirconiainc.com
Cell or WhatsApp 206-930-8171