

CenturyStone

CONCRETE COATINGS & REPAIR SYSTEMS

Systems Description • Technical Data

- Surface Restoration and Reconstruction
- Leveling and Repitching

- Crack Repairs
- Protective Flexible Coatings and Sealers

DESCRIPTION: CenturyStone Concrete Coatings use High Performance components and 100% acrylic polymer additives. Each System is specifically designed to provide high Strength, durability and versatility for repair and resurfacing of almost any concrete surface.

TYPICAL USES: Resurfacing and complete restoration of concrete or other surfaces can be accomplished to achieve high bond strength and durability for heavy duty, industrial applications. Minor modifications can accomplish repairs to holes, spalls or other imperfections to achieve virtually permanent bonding to substrate.

Use **CENTURY-STONE CONCRETE REPAIR SYSTEMS** to repair: **sidewalks, garage floors, warehouse floors, bridge decks, parking garages, foundations, driveways, decks, patios, pool decks and many more applications.**

The CENTURY-STONE CRACK REPAIR SYSTEM is a unique, time proven system using high strength epoxy, fiber reinforcement and feather blending techniques to repair cracks with greater strength than the concrete to which it is bonded.

In addition to high strength and permanent bonding, the CENTURY-STONE SYSTEMS include flexible modifiers to allow application to surfaces such as bridge decks, parking garages, pre-stressed and lightweight concrete decks, wood decks or any surface where vibration occurs (or other stresses) causing cracks to develop.

METHODS OF APPLICATION: CENTURY-STONE CONCRETE COATINGS are applied by trowel, squeegee, screed, broom, brush, roller, sponge, etc.

FINISHES: Each application can be finished with a variety of textures. Hard trowel or broom finishes are applied where restoration of a surface requires a standard or "like" finish. However, many other textures are available possible (i.e. acrylic lace texture or swirl broom pattern). In addition, each application can be sealed or protected with a variety of finishing products (i.e. penetrating sealer, color stain, epoxy or urethane). (Note: Each finish is applied with consideration of providing the best slip resistance and cleanability possible).

CUSTOM FINISHES: In addition to its structural properties, The CENTURY-STONE SYSTEMS can be applied as a decorative application by creating "natural" looking brick, tile and marble finishes.

PHYSICAL PROPERTIES:

Compressive Strength, psi: 9,250

Flexural Strength, psi: 1,900

Shear Bond Strength, psi: 630

Tensile Strength, psi: 950

Abrasion Resistance: 1.7%

Impact Resistance: 4.85ft-lbs

CENTURY-STONE CONCRETE COATINGS SYSTEMS are comprised of the following components: Type I/II Portland Cement or White Portland Cement, High Quartz Silica Sand (varying grades), Acrylic additives (MSDS upon request). The proportions of components vary with each application and are modified for temperature, humidity, porosity of substrates and other conditions.

SURFACE PREPARATION: Surface preparation may include one or more of the following: removal of loose particles, clean/degrease surface, mechanical abrasion, acid etching.

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