

# Deco-Poz<sup>™</sup>

## Decorative Pozzolan Resurfacing System



## Product Data Sheet

### PRIMERLESS HIGH PERFORMANCE SYSTEM

Deco-Poz Decorative Pozzolan Resurfacing System is a special high performance eco-blend of white or gray portland cement, sand, and a custom engineered recycled white pozzolanic mineral additive that is combined with a proprietary non-hazardous polymer. This unique eco-friendly primerless resurfacing system bonds to virtually any substrate delivering a durable new cementitious surface that is suitable for both interior or exterior decorative finishes.

The Deco-Poz System is clearly the sustainable alternative to traditional resurfacing systems. It utilizes a recycled pozzolan material that reduces up to 25% portland cement content, while increasing compressive strength and durability. The aggressive primerless bonding capability and workable cementitious material makes Deco-Poz a highly desirable design tool that creates more opportunities to re-use existing building materials.

Unlike silica fume, coal fly ash, furnace slag and other by-products, our pozzolans are free of iron, manganese, and other undesirable color-inducing impurities making Deco-Poz the preferred decorative resurfacer. The white cement mix option offers more true and brilliant colors for decorative stains. The unlimited and flexible uses provides more ways to add beautiful decorative design elements to your project.

Pozzolans are widely used in cement and concrete technology to increase concrete strength, density, and resistance to chemical attack as well as control efflorescence. Our pozzolan technology meets technical requirements of ASTM C618 for use as supplementary cementitious materials in concrete and exceeds the requirements of ASTM C1157 Standard Performance Specification for Hydraulic Cement and also meets the accelerated pozzolanic activity index, ASR control and sulfate resistance requirements of ASTM C1240 for silica fume.

### PERFORMANCE FEATURES:

- ◇ Bonds To Most Surfaces
- ◇ Reduced Surface Prep
- ◇ Improved Workability
- ◇ Increased Strength
- ◇ Decreased Permeability
- ◇ Chloride Resistance
- ◇ Stain Or Coat Within Hours
- ◇ Color Neutral
- ◇ Significant Labor Savings
- ◇ Ease of Dispersability
- ◇ Increased Durability
- ◇ Reduced Efflorescence
- ◇ Sulfate Resistance
- ◇ Vehicular Traffic

### DECORATIVE & ENVIRONMENTAL FEATURES:

Deco-Poz Decorative Pozzolan Resurfacing System offers more color control and brightness, turning virtually any surface into a new blank canvas that enables the designer to create beautiful architectural design features. In addition to key performance benefits, this system plays an equally important role in sustainable construction. Installers can repair, re-use, and create cementitious features out of virtually any surface. Re-using existing building materials is highly advantageous by increasing service life and by keeping unnecessary waste out of our landfills. By reducing the portland cement content in Deco-Poz we are also able to reduce the net greenhouse gas emissions for each cubic yard of concrete.

### DECORATIVE RESURFACING PROJECTS:

- ◇ Floors
- ◇ Sidewalks
- ◇ Walls
- ◇ Pavements
- ◇ Decks
- ◇ Countertops

### ADHERES TO:

- ◇ Concrete
- ◇ Gypsum
- ◇ Tiles
- ◇ Wood
- ◇ Coatings
- ◇ Laminates
- ◇ Metal
- ◇ Adhesives
- ◇ Asphalt

### THE DECO-POZ SYSTEM KIT:

The system comprises of two basic components, the Deco-Poz Mix and the Deco-Poz Polymer. Each may be purchased independently or as a system kit. Each kit is packaged to cover approximately 150-200 square feet in two coats. A three coat application may be necessary when used over high build adhesives or higher profile irregularities.

Deco-Poz Mix- [1] 50 lb Pail (Available in White or Gray)  
Deco-Poz Polymer- [1] 1 Gallon Bottle

Deco-Poz may be feathered to a zero edge or build to your desired thickness in thin coats up to 1/4". Create desired texture with applicable techniques such as skip trowel, broom finish, smooth finish, burnishing, polishing, etc. You may sand or saw cut Deco-Poz to create enhanced design effects once it is completely dry.

### TECHNICAL DATA:

#### Compression Strength (ASTM C579)

7-Day Cure: 6,225 psi 28-Day Cure: 6,622 psi

#### Bond Strength (ASTM 4541) Range: 414-466 psi Avg: 434 psi

**Abrasion Resistance** (ASTM C501) 1,000 cycles, H-22 Calibrate wheels. Average depth of wear: 24 mils (equivalent to 5,000 psi concrete)

**Weathering** (ASTM G43-Modified to include freeze cycle) After 31 cycles (5,208 hours) No signs of peeling, chalking, blistering, loss of adhesion, fading or algae growth.

**Smoke and Toxic Fume Emission** (British Standard 6853) Accepted. Negligible Emission

### APPLICATION:

Apply by hopper sprayer, squeegee, and/or trowel. Obtain full installation guide from your supplier.

Full Kit Mixture: Mix [1] gallon Deco-Poz Polymer with [1] gallon clean water in an empty 5 gallon pail. Mix well with mixing blade. Then, gradually pour the Deco-Poz Mix into the Polymer while mixing. Mix until all clumps are dispersed and the desired consistency has been reached. Depending on environmental conditions, you may have to lessen or add water to achieve the desired consistency.

Partial Kit Mixture: Mix [1] part Deco-Poz Polymer with [1] part clean water in an empty 5 gallon pail. Mix well with a mixing blade. Then gradually pour the Deco-Poz Mix into the Polymer until the desired consistency is reached, which is usually about 3-5 parts mix in volume.

AVAILABLE AT: