

# INCRETE COLOR-CRETE

## ADMIXTURE FOR COLOR CONDITIONED CONCRETE



EUCLID CHEMICAL

### PACKAGING

**Powder:** 1 lb (0.45 kg), 5 lb (2.26kg) and 25 lb (11.34 kg) batch ready bags.

**Liquid:** Available by the yard or in totes and drums.

**Granular:** Available in bulk super sacks.

### YIELD

Varies by color and cement content. See color chart, Integral color best practices, or check with Euclid rep for more details.

### APPEARANCE

Powder, liquid and granular in 35 standard colors. Custom colors are also available upon request.

### CLEAN UP

Clean tools and equipment with water before the material hardens.

### SHELF LIFE

**Powder & Granular:** Unlimited in original, unopened container.

**Liquid:** 6-12 months in original, unopened container

### SPECIFICATIONS AND COMPLIANCES

ASTM C 979

ACI 303.1

### BRIEF OVERVIEW

INCRETE COLOR-CRETE is a concentrated color admixture, available in powder, granular, or liquid form. INCRETE COLOR-CRETE is designed to be used in all cementitious materials, producing a wide variety of color.

### PRODUCT CHARACTERISTICS

#### ADVANTAGES

- High tint strength
- UV and weather safe
- Consistent, accurate color
- Pure synthetic iron oxides
- Mixes and blends easily
- 35 standard colors
- Custom color matching services

#### COMMON USES

- Cast-in-place slabs on grade
- Base color for stamped concrete
- Manufactured concrete pavers
- Cast stone and roof tiles
- Tilt-up panels, pre-cast concrete
- Stucco, plaster
- Vertical concrete pours

#### PHYSICAL PROPERTIES

- Depending on product ordered you will have a pigmented powder, liquid or granular. Resulting color may have a different appearance as it is mixed with concrete. Consult the respective TDS for details.
- Working time and set time depend on job site variables and include: temperature, humidity, and concrete mix design among other things.

#### COMMON METHODS

- Mixed in as a concrete admixture

### TECHNICAL INFORMATION

INCRETE COLOR-CRETE is composed of high-grade materials, including specific synthetic iron-oxide pigments chosen for intense, uniform color while exceeding ASTM C 979 specifications for integrally colored concrete.

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## DIRECTIONS FOR USE

Consult the Best Practices and Procedures Guide for Integrally Colored Concrete.

### MIX DESIGN

Design concrete mixes to use the lowest water/cement ratio applicable for local conditions and materials. Type I, II, or V Portland Cement is recommended. Use in combination with Supplementary Cementitious Materials (SCM's) such as Class F Fly Ash, Natural Pozzolan, or Ground Granulated Blast Furnace Slag when appropriate. Use the same raw material sources such as cementitious materials, aggregate and water content for the entire project. Changes will effect the color of the concrete. Do not use admixtures containing calcium chloride. Placement slump should be appropriate for the application, non-segregating and consistent from batch to batch. A jobsite test batch placement is recommended using 1/3 mixer capacity batch size using the same mix design, raw materials, slump, placement and finishing techniques that will be used on the actual job. Contact your local Euclid Chemical representative for technical assistance.

### BATCHING AND MIXING

With the mixer running add the color to the head water and mix for 1-2 minutes before adding the balance of materials. Once the balance of materials has been added, mix the drum at mixing speed for five minutes. Never add INCRETE COLOR-CRETE to an empty drum/mixer. For consistent batches, use the same mix design and slump from truck to truck. (If higher slumps are required a water-reducing admixture may be used.) Track the slump between batches, because different water-to-cement ratios can affect the final color. It is important to use the same cement because different cements may be different shades of gray, thereby affecting the final color of the concrete.

### FORMING & PLACING CONCRETE FOR VERTICAL SURFACES

Seal joints in forms for vertical surfaces. Water leakage at joints causes changes in water-to-cement ratio and discoloration near the leak.

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## PRECAUTIONS/LIMITATIONS

- Concrete placed in the sun sets at a different rate than concrete in the shade. This may cause differences in color. If possible, time the pour to avoid sunlit and shaded areas.
- Do not add water to the surface during finishing operations. Added water may create a blotchy surface.
- High slumps may result in non-uniform color.
- Do not use calcium-chloride admixtures.
- For professional use only
- In all cases, consult the Safety Data Sheet before use

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