

CONSTRUCOLOR® B05-AA027

LIQUIG-GEL INTEGRAL PIGMENT FOR CONCRETE AND MORTAR

Technology Solutions for the Construction Industry

GENERAL INFORMATION

CONSTRUCOLOR®'s B05-AA027 is a thixotropic liquid-gel integral pigment, solvent-free and environmentally friendly, formulated with synthetic iron oxide pigments, specifically for the integral and uniform coloring of cement-based mixtures.

This liquid-gel integral pigment is highly resistant to sunlight (UV), weathering, and alkalinity, which allows for color durability over time.

The pigments used in B05-AA027 comply with ASTM C979 (Standard Specification for Pigments for Integrally Colored Concrete).

APPLICATIONS

CONSTRUCOLOR®'s B05-AA027 easily disperses in cement mixtures, as well as in plaster and clay. It enables fully colored castings such as floors, precast elements, columns, bridges, curbs, sidewalks, blocks, pavers, ornaments, sculptures, and more – allowing for a wide range of colors, finishes and designs as creativity allows.

USAGE

CONSTRUCOLOR®'s B05-AA027 is easy to use. It can be added at any stage during mixing, either dispersed in water or directly with the cement aggregates. Dosage is calculated as a percentage of the total cementitious content and can be added manually or via an automatic dosing system.

It can be blended with other CONSTRUCOLOR® pigments to create new colors or shades. It is also compatible with CONSTRUCOLOR® sealers, ultra-thin coatings for floors and walls, and the Permeable Concrete Additive.

Variations in water content, aggregate types, or cement color may cause differences in the final tone. Additionally, curing methods, surface finishing, and texture will also affect the final appearance.

For surface finishing, do not use water, plastic sheeting, or tarps for curing, except for wet curing blankets. A clear, colorless curing membrane may be used (we recommend CONSTRUCOLOR®'s S02-AA052 Sealer and Membranes CC-AA698 [Acrylic] and CC-650 [Paraffin based]).

Whether B05-AA027 is added during or after concrete mixing, a uniform color is achieved in approximately three minutes. If added after batching, rotate the drum three times as if preparing to pour, and return to ensure full integration of any pigment adhering to the top portion.

USE WITH ADDITIVES

CONSTRUCOLOR®'s B05-AA027 has shown no incompatibility with common cement additives, except for calcium chloride. However, a compatibility test is recommended before use.

When using CONSTRUCOLOR®'s B05-AA027 in mixtures that contain a concentrated additive, it is recommended as a precaution not to add them simultaneously, to avoid both products mixing at high concentration. It is advisable to first dose the pigment, and once its dispersion in the mix is visually confirmed, proceed to add the additive.

Slump: When making the first mix in the drum, it is recommended to reserve part of the planned water in order to adjust the slump after

incorporating B05-AA027. Subsequent mixes should be prepared according to the proportions established in the first batch.

Air Content: B05-AA027 may interact with certain concrete or mortar additives by introducing air into the mix, it is highly recommended to verify.

Consider that the Liquid-Gel Integral Pigment B05-AA027 is for professional use only.

YIELD

Yield depends on the desired color intensity, the characteristics of the mix, and color and granulometry of aggregates. In general, add between 1% and 5% of the weight of the cementitious content. The appropriate percentage should be determined by testing under actual working conditions. A color chart is available to guide tone selection.

PACKAGING

CONSTRUCOLOR®'s B05-AA027 is packaged in pails, pre-measured for easy dosing according to m³ per batch. Unopened containers can be stored for up to one year between 41°F to 104°F.

PRECAUTIONS

The Material Safety Data Sheet is available upon request.

WARRANTY

CONSTRUCOLOR® guarantees consistent quality control in the manufacturing of B05-AA027. All recommendations, suggestions, and information are based on data obtained through controlled testing. However, product usage and application conditions are beyond our control. Users must evaluate the product and determine its suitability for their intended application. CONSTRUCOLOR® provides no express or implied warranties regarding the outcome.

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