

# CONSTRUCOLOR® B01 - AA023

## LIQUID GEL PIGMENT FOR CONCRETE AND MORTAR

*Technology Solutions for the Construction Industry*

### GENERAL INFORMATION

CONSTRUCOLOR®'s B01-AA023 pigment is a thixotropic gel, free of solvents and environmentally friendly. It is formulated with iron oxide synthetic pigments that are special for integral and uniform coloring of cement mixtures.

This pigment is highly resistant to sunlight, alkalinity and outdoor conditions, which allows the permanence of color through time.

The B01-AA023 does not affect unfavorably concretes and mortars, although, it does contribute to the augmentation of resistance. The pigments used to fabricate the B01-AA023 comply with the ASTM C979 (Standard Specification for Pigments for Integrally Colored Concrete) norm.

### APPLICATION

CONSTRUCOLOR®'s B01-AA023 is easily dispersed in cement mixtures, as well as in plaster and clay; achieving integrally colored pourings in floors, precasts, columns, verges, bridges, verges, sidewalks, blocs, cobblestones, ornaments or sculptures.

### UTILIZATION

CONSTRUCOLOR®'s B01-AA023 can be added at any moment during the mixture fabrication either by being dispersed in water or directly to the cement and aggregates, it can also be added to clay, plaster or adobe pastes.

The dosage of the B01-AA023 is calculated as a percentage of the cement and fly ash contained in the mixture, adding weight or volume either through manual feeding or with an automatic dispenser. For mixes that don't have cement, the dosage is established as a percentage of the weight of the total solids.

Variations in the water quantity or of the aggregates in relation with the cement, as well as changes in the color of the cement and aggregates, can cause variations in the obtained tone of the concrete or mortar. Also, the kind of curing and the way in which the surface is worked as well as its texture, can cause variations in the final tone of the concrete or mortar.

Water must not be used to refine the surface. For the curing, a colorless or transparent curing compound must be used; do not use water, plastics or tarpaulins. We recommend the Water-Based Acrylic Curing and Sealing Compound CONSTRUCOLOR® S02.

The desired slump of concrete or mortar has to be adjusted after dosing the B01-AA023. The subsequent mixtures will be made with these proportions.

The B01-AA023 will either be added to the concrete mixer before the aggregates or after these, let it spin for three minutes until the pigment is uniformly integrated to the mixture of concrete or mortar. In the case that the B01-AA023 is dosed after the aggregates and water it should be "pulled up" as if it were going to be poured and brought back down three times to make sure the pigment that might be on the top part of the spinner has fully integrated into the mix.

### PERFORMANCE

The performance depends on the color and tone desired, as well as the characteristics of the mixture, color and granulometry of the aggregates. In general, it is recommended follow the **Dosification Table** shown below:

**Based on 3,000 PSI or 5 Sack Mix**

Color	9.4 lb pails per 1 CY	47 lb pails per 5 CY
B	1	1
D	2	2
F	3	3
H	4	4

Our color chart serves as a guide of the tones that can be obtained.

### USE WITH ADDITIVES

CONSTRUCOLOR®'s B01-AA023 has not presented any incompatibility with the additives used in the elaboration of cement mixtures, with the exception of calcium chloride; however, it is convenient to execute a trial before using it with an additive for the first time.

By using CONSTRUCOLOR®'s B01-AA023 in mixtures that have a concentrated additive, as a precautionary measure, it is recommended to not add them together as a way to avoid that both products mix in high concentration. It is convenient to dose the pigment and after checking visually its dispersion in the mixture, add the additive.

It is recommended to adjust the desired slump of the concrete or mortar after adding all the additives and pigment.

### PRODUCT DATA

The B01-AA023 Liquid Gel is fabricated with synthetic iron oxides, whose technology allows it to not affect unfavorably the characteristics of concretes and mortars to which it is added.

### CONTAINER

CONSTRUCOLOR®'s B01-AA023 is packaged in buckets with 47 pounds and 9.4 pounds to facilitate dosage in accordance to the cubic yard programmed for its pouring. Unopened containers can conserve the product for a year in temperatures between 32°F and 86°F.

### CAUTIONS

The Material Security Data Sheet, provided upon request, has enough information about it.

### WARRANTY

CONSTRUCOLOR® guarantees the constancy of quality in the manufacturing process of the Liquid Gel Pigment B01-AA023. All the recommendations, suggestions and information provided by CONSTRUCOLOR® related to your product are based on data obtained through controlled tests; however, the conditions of use and applications of our product and interpretation of the information are totally under the control of the user and not of CONSTRUCOLOR®; therefore, it is important that the user pre-test our product, to prove that the products fulfill his specifications and if it is convenient for the uses and applications he requires. So CONSTRUCOLOR® does not offer any express or implicit guarantees on the results obtained. This product is designed for professional use only.

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