

# CONSTRUCOLOR® B04-AA016

## LIQUID-GEL PIGMENT FOR CONCRETE AND MORTAR

*Technology Solutions for the Construction Industry*

### GENERAL INFORMATION

CONSTRUCOLOR®'s Thixotropic gel pigment B04-AA016 is solvent free and eco-friendly, formulated with carbon black, special for integral and uniform coloring of cement mixtures.

This pigment is resistant to sunlight and alkalinity, which allows for the permanence of color through time. It must be taken into account that carbon black may "wash out" with rain and with running water, it would be convenient to seal surfaces exposed to the previously mentioned conditions. We recommend the use of CONSTRUCOLOR®'s Water Based Acrylic Sealer S02-AA052.

B04-AA016 does not affect negatively concrete and mortars. The pigments used to fabricate B04-AA016 comply with the ASTM C979 Norm (Standard Specification for Pigments for Integrally Colored Concrete).

### APPLICATIONS

CONSTRUCOLOR®'s B04-AA016 is of easy dispersion in cement mixtures, as well as in plaster and clay; achieving integrally colored pourings on floors, pre-casts, columns, bridges, road shoulders, sidewalks, cobblestones, decorations, sculptures, etc.; making possible as many color combinations, finishings and figures as your imagination allows.

### USAGE

CONSTRUCOLOR®'s B04-AA016 is easy to use, it may be added at any moment during mixture fabrication, it can be dispersed in water or directly to the cement and aggregates. Its dosage is calculated as a percentage of the total of the cementitious contents in the mixture, adding to it by weight either manually or using an automatic dispenser.

The B04-AA016 can be added with other CONSTRUCOLOR® pigments to obtain a variety of colors and tones, it is also compatible with CONSTRUCOLOR®'s Sealer & Curing Membrane S02-AA052, floor overlays and permeable concrete additive.

Variations in water quantity and of the aggregates in relation to the cement, as well as changes in the cement color and of the aggregates may cause variations in the obtained tone of the concrete or mortar. The type of curing used, as well as the way the surface is worked and texture, may cause variations in the final tone of the concrete or mortar.

For the fining of the surface, water must not be used. Do not use water, plastics or tarps for the curing, except wet curing blankets; a transparent and colorless curing membrane may be used (we recommend CONSTRUCOLOR®'s S02-AA052 Sealer & Curing Membrane).

When the first mixture is being made in the mixer truck, we recommend reserving part of the intended water, this can be used to adjust the slump after the B04-AA016 has been added. Subsequent mixtures must be done in accordance to the first one.

The B04-AA016 can be added to the mixing truck before or after the aggregates, it only takes three minutes for the pigment to uniformly integrate to the concrete or mortar. In case the B04-AA016 is being dosed after the water and aggregates, the mixing truck must be moved up and down three times as if the mixture were to be poured, this is to

get the pigment that might have stayed in the superior part of the mixer to integrate fully into the concrete or mortar mixture.

Consider that the B04-AA016 Liquid-Gel is exclusively for professional use

### PERFORMANCE

The performance depends on the color and tone desired, as well as the characteristics of the mixture, colors and granulometry of the aggregates. Generally, it is recommended to add the B04-AA009 in a 1% to 10% over the weight of the cementitious aggregates. The right percentage can be easily determined by running tests under the normal operating conditions. The Color Chart offers a guide of the tones that may be obtained.

### USE WITH ADDITIVES

CONSTRUCOLOR®'s B04-AA016 has not presented incompatibility with additives in the elaboration of cement mixtures, except to Calcium Chloride; nonetheless it's convenient to run a small test before using it with an additive for the first time.

When using CONSTRUCOLOR®'s B04-AA016 in mixtures that have an additive concentrate, as a precautionary measure, it is recommended to not add them together hence avoiding that both products mix together in high concentration. It is convenient to dose the pigment and when you can visually confirm its dispersion in the mixture, proceed and add the additive.

It is recommended to adjust the desired slump of the concrete or mortar after all additives and pigments are added.

### PACKAGING

CONSTRUCOLOR®'s B04-AA016 is packed in buckets containing the required weight for their dosing in accordance to the ft³ per load programmed for pouring. Unopened containers may preserve the product up to a year in temperatures between 41°F and 104°F.

### PRECAUTIONS

The Material Safety Data Sheet is provided upon request, it contains enough information about the matter.

### WARRANTY

CONSTRUCOLOR® guarantees constancy in quality control in the manufacturing of Liquid-Gel Pigment B04-AA016. All information, recommendation and suggestion provided by CONSTRUCOLOR® in relation to its products, are based on data obtained through controlled testing; nonetheless, use conditions and applications of our products as well as information interpretation, remain completely under the users control and not CONSTRUCOLOR®. Hence the necessity for the user to previously test our products and information, this way they can determine to their own satisfaction if they are convenient for the uses and applications they desire, which is why CONSTRUCOLOR® does not offer any express or implicit warranty over the obtained results.

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