



DCS MORTAR COLORS

Product Name:

DCS Mortar Colors

Manufacturer:

Dynamic Color Solutions, Inc.
2024 S. Lenox Street
Milwaukee, WI 53207
(414) 769-2580
FAX (414) 769-2585

Product Description:

Basic Use: DCS Mortar Colors are all pure mineral pigments designed to be used specifically in mortar, whether it be portland cement and lime, or masonry cements. DCS Mortar Colors use is for integral coloring mortars.

Composition and Materials: DCS Mortar Colors are composed of finely milled 95-99% minus 325 mesh inorganic synthetic and natural iron oxides. Depending upon the color, different combinations of natural yellow, red, brown and black iron oxides, mineral blacks and carbons are blended with synthetic red, yellow, and black iron oxides, and chromium oxide greens. The natural iron oxides are dried, pulverized and classified from mineral earth iron oxides (in a range of 50-80% iron oxide).

The synthetic iron oxides are manufactured by different methods of calcination and precipitation of iron solutions or oxides under carefully controlled conditions. These processes produce roughly 93-99% pure iron oxides. DCS synthetic and natural inorganic iron oxides are inert, stable to all atmospheric conditions, ultra violet rays, alkalis and normal acid conditions. They are sunfast, limeproof and absolutely free of any water soluble fillers.

Packaging: DCS Mortar Colors are packaged in 50 pound bags or in batch sized bags as needed.

Color Range: DCS Mortar Colors are available in standard colors. However, by altering the percentage of color added to the cement, the potential color shades are virtually unlimited. In addition, the color development and matching services of the DCS Color Lab offer laboratory controlled custom blended colors to meet your own special color requirements.

Limitations:

To avoid strength reductions do not use more color than 10% of the total weight of cementitious material used. Since the 10% level is also reaching the point of saturation for gaining increased color strength, it is prudent to use no more than the 10% level of color concentration.

Technical Data:

Performance Properties: DCS Mortar Colors are alkali resistant, water insoluble, inert, light resistant, inorganic, and limeproof.

Physical Properties: Depending upon the DCS Color Index Name and Number, the fineness of each ranges from 95-99% minus 325 mesh.

General Formula: Fe₂O₃

pH: 6.5 to 8.5

Installation:

Preparatory Work: The mixing shall conform to ASTM Specifications.

Application: A power mixer should be used to provide thorough mixing and dispersing of color. To provide consistent and uniform color a sound method is: (1) Load the mixer with selected mix design and fine aggregate. (2.) Add the designated amount of DCS Mortar Color along with the cementitious materials for the mix and agitate at full speed for several minutes before adding the water for the mix. Any change in proportioning the amount of water, sand and color to the cement and/or type of cement and sand used on the same job can result in variation of color tone in the finished job.

Before loading, agitator should be checked for residual water from cleaning.

Disclaimer/Warranty

Except as expressly set forth herein, there are no warranties expressed or implied, including no warranty of merchantability, which extend beyond the description of the face hereof.

Seller shall remedy or replace, at its option, free of charge, any color which does not comply with aforesaid color

specifications provided that such nonconformity is reported in writing prior to the use of the color. Seller or manufacturer shall not have any further liability or obligation for prospective profits or for general, special, indirect or consequential damages, nor shall recovery of any kind against the seller or manufacturer be greater in amount than the purchase price of the specific material sold and causing alleged damage.

Final determination of the suitability of the color for the use contemplated by buyer, is the sole responsibility of the buyer. The seller or manufacturer shall in no way be responsible for the suitability of the color for any particular end use.

The seller or manufacturer, further, will not guarantee color of the finished work in which DCS color is used.

Colors are not fit for human consumption.

Technical Services

The DCS Color Laboratory, with over 40 years experience, is available at no charge to match existing colored mortars, to develop special color tones or to provide expert color assistance to solve your individual color needs.

Since the color shades of cements and sands are different in each locality of the U.S. and Canada, it is recommended to send 1 lb. of local cement and 1 lb. of local sand that is to be used in the mortar mix design. Please indicate the mix design to be used, along with a sample of the desired color that is to be produced.

Send to:

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Color matching services are also available for all cement color applications.

Samples: Samples of DCS Mortar Colors are available for submittals either in convenient sample channels, and/or in preweighed bags for job site mock-ups.