Description
Granastar® granular pigments for colored concrete are designed to be used specifically in cementitious materials, whether it be concrete products or ready mix applications. Granastar pigment is a free-flowing, granular form of synthetic iron oxide, which can be easily used in automatic dispensing systems, creating very low dust. Granastar granular concrete colors are certified ASTM C979 for integral coloring.

Color Range
Granastar granular concrete colors are available in several standard colors. In addition, the color development and matching services of the Interstar Color Laboratory offer controlled, custom-blended pigments to meet your own special color requirements.

Primary Application
- Bricks
- Blocks
- Pavers
- Roof Tiles
- Floors
- Walks
- Patios
- Driveways
- Precast
- Poured in place concrete construction

Benefits
- 99.5% Iron Oxide (no fillers)
- Free Flowing
- Disperse rapidly and evenly
- Maximum coloring power
- Wide variety of colors
- Environmentally friendly
- Non-toxic
- Easy to handle

Technical Data
Packaging:
Granastar granular pigments are packaged in 1000 and 2000 pound bags. Each package is clearly identified with color name, number and weight.

Storage:
Store in a cool, dry, well-ventilated area.

Properties:
- Appearance: Dry granules in assorted colors
- Odor: None
- Density: 0.8 - 1.4 g/mL (50-87 lb/ft³)
- pH: 4.0 - 7.0
- Water dispersible: Yes
- Fineness: 95% - 99% minus 325 mesh (Color Dependent)
- Particle Shape: Cubical, Acicular, Spherical (Color Dependent)
- Particle Size: Generally less than 1 micron
Usage

Directions: Generally, the addition of Granastar granular pigments should be made after the aggregate charge and before the addition of cement and the majority of water. This allows the aggregate to distribute the color uniformly, which will promote an even distribution of pigment particles on the surface of the cement particles. Always add ingredients in the same order for each batch. The water-to-cement ratio should not exceed 0.45 for best mixing results. Many block and paver mixes require 0.40 or less, however, a value less than 0.30 may not allow enough water to penetrate for proper cement hydration and workability. A minimum mix time of 3 minutes is recommended after the color is added for best dispersion results. To maintain consistency for each job, it is important to use the same source and/or brand of ingredients such as sand, gravel or cement.

Automated Dispensing System: Granastar granular pigments for concrete colors can be added automatically to your mix with a Granastar or Megastar dispensing system.

Limitations: The optimal dosage of pigment suggested varies between 2% and 7%, based on the total weight of cementitious materials. A dosage of 10% of pigment based on the total weight of cementitious materials is the saturation point for pigment coloration. If the percentage of pigment used is over 10% of the total weight of cementitious materials, there will be no benefit to the color, and it can considerably affect the concrete. Likewise, if the dosage of pigment is lower than 1% of the total weight of cementitious materials, the color will be uneven and it will affect the results.

Safety

Appropriate ventilation should be provided to keep dust concentrations below acceptable exposure limits.

For additional information, please refer to the Material Safety Data Sheet (MSDS).

Availability

Interstar products are available throughout Canada, the United States and Mexico. Please contact our Customer Service Department (1-800-567-1857) to place an order or to find a distributor in your area.

Technical Services and Samples

Interstar’s technical staff and chemists are always available to offer their expert advice. Should you need technical assistance, please do not hesitate to contact us at 1-800-567-1857.

Samples: Samples of Interstar’s standard concentrated concrete colors and specially-blended colors are available in convenient cement color briquettes or mini-pavers. The color samples are mixed in the Interstar Laboratory with locally supplied cement and aggregates, or with cement and aggregates available to Interstar at the time of production.

Warranty

The limit of liability of this company shall be the purchase price paid by the user or buyer for the quantity of the Interstar product involved. See Interstar’s Warranty for complete details.