

Product Information Sheet

Description

Interstar Powder Pigments for colored concrete are pure iron oxide pigments designed to be used specifically in integral coloring of cementitious materials. Interstar colors are certified to ASTM C979 standard for integral coloring.

Color Range

Interstar Powder Pigments are available in a variety of standard colors. In addition, the color development and matching services of the Interstar Color Laboratory offers 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

- Easy Dispersing
- Convenient packaging
- Maximum coloring power
- Wide variety of colors
- Environmentally friendly and non-toxic
- Sunfast
- Water dispersible
- Lime proof
- Non-bleeding
- Synthetic iron oxides

Technical Data

Packaging:

Interstar Powder Pigments are available in 25 lb and 50 lb bags. Each package is clearly identified with color name, number and weight.

Storage:

Store in a cool, dry, well-ventilated area. Protect from moisture.

Properties:

- Appearance: Dry powder (buff, tan, brown, black, red or yellow)
- Odor: None
- Density: 0.3 - 1.2 g/mL (19 - 75 lb/ft³)
- pH: 4.0 - 7.0
- 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, Interstar Powder Pigments should be added 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. 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 after color addition is recommended 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.

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 is over 10% of the total weight of cementitious materials, there will be no benefits and it can affect the results considerably. In addition, if the percentage is lower than 1% of the total weight of cementitious materials, the coloration will be uneven and 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

The Interstar Color Laboratory is available to match existing colored concrete, develop special color tones or to provide expert color assistance to solve your individual color needs. Please contact Interstar Color Laboratory for assistance. Since the color shades of cement and aggregates (coarse and fine) are different in each locality, it is recommended to send 10 lb of the local cement and 25 lb of the coarse and fine aggregate that will be used in the concrete mix design, along with a sample of the desired color that is to be produced.

Samples: Samples of Interstar's standard colors and specially-blended colors are available in convenient cement color briquettes or mini-pavers. The color block 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.

CORPORATE HEADQUARTERS
4255 Portland Boulevard
Sherbrooke, QC
J1L 3A5
Tel.:819.563.9975 or 1.800.567.1875
Fax.:819.563.1317 or 1.888.563.1317

US OFFICE
530 Madison Avenue
Junction City, Illinois
62882, USA
Tel.:618.533.3600 or 1.877.693.1212
Fax.:618.533.3636 or 1.888.563.1317

CALGARY, ALBERTA
MEXICO CITY, MEXICO
MONTERREY, MEXICO
SEOUL, SOUTH KOREA

www.interstar.ca
info@interstar.ca