



Hydrotint®

Liquid Pigments

Description

Hydrotint® is a slurry of high-quality pigments, special dispersants and stabilizers in water. Four primary colors: Black, Yellow, Light Red and Medium Red are formulated exclusively for use in the Chameleon™, a state of the art PC controlled automated dispensing system. Plant blending of these primary colors produces a wide range of standard or custom pigments for integrally colored Ready Mix and Precast concrete. Hydrotint pigments are formulated with high quality synthetic iron oxide pigments, with the exception of Hydrotint A8090, which is a high quality Carbon black based dispersion.

Uses

Hydrotint Liquid Pigments are often used in Ready Mix Concrete for driveways, pool decks, patios and walkways. Hydrotint can also be mixed into concrete for architectural applications as well as precast, prestressed, tilt-up and other building applications.



Compatibility

Hydrotint colors are compatible with all standard concrete mixes including those containing blast furnace slag, fly ash and silica fume. The only known incompatibility is with Flake calcium chloride, which causes blotching and discoloration. Carbon Black reduces or negates the effect of air entraining agents. With air-entrained concrete, iron oxide black should be used instead of Carbon Black.

Design and Mixing Requirements

Use the same pigment-to-cement ratio, type and brand of cement and aggregates throughout a project. Different cements, aggregates, mixing times, job-site conditions and contractor techniques can alter the final color of a project.

Product Advantages

- Verifiable, consistent dosage of pigment
- Easy to produce a broad range of colors
- Rapid pigment dispersion with no bags in the mix
- Light-fast pigments

Keep slump less than 12.5 cm (5 in.) and water content consistent. High water content causes concrete to appear pale or “faded”. If a higher slump is required, use a Grace water-reducing admixture instead of adding water.

Flake Calcium Chloride causes discoloration; do not use with colored concrete. Specify air content of 5% to 7% with Grace air entraining agents for improved workability and long-term durability in freeze/thaw climates. Schedule loads for consistent mix time.

Deliver and discharge fresh colored concrete in less than 1½ hours. To mix add Hydrotint Liquid Pigments to the concrete batch and mix at charging speed for at least 5 minutes.

Storage

Keep from freezing. Product must be discarded if exposed to frozen temperatures and must be kept below 50°C (122°F) at all times. Always load Hydrotint into the Chameleon system as soon as possible. Keep all shipping totes dry. Advanced formulation allows up to a two-year shelf life without hard settlement. When stored greater than two months some agitation may be required for a consistent flow from the storage totes.

Packaging and Availability

Hydrotint Liquid pigments are available in 1,814 kg (4,000 lbs) disposable totes, Hydrotint A8090 Black is available in disposable 1,134 kg (2,500 lbs) totes. Grace is the exclusive distributor of Hydrotint liquid pigments throughout the United States and Canada for Ready Mix and Precast/Prestressed concrete. For more information, please contact your local Grace representative.

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)



Visit our web site at: www.graceconstruction.com



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