



TintCrete™ Concrete

Color tinted polymer modified high flow concrete mix with corrosion inhibitor

CTS | Tomes, Blue Island IL 60406 • 877-538-6637 | www.CTSTomes.com



Made in USA by CTS Cement,
2513 W. 140th Place, Blue Island, IL 60406

For concrete repair and restoration • The precision tinting you want, the factory quality you demand • Top Quality Products • Dependable & Durable

Repair Thickness

3/4" to 24"

Working Time

45 minutes

Application Technique

Pour, pump

Where to Use

- Partial- or full-depth repairs
- Interior or exterior
- Horizontal, formed vertical and overhead
- High rise buildings
- Balconies, parking garages
- Bridges, tunnels, marine structures, and more

Features

- High slump – Long pouring time
- Polymer modified
- Integral corrosion inhibitor
- Portland cement-based
- Includes 3/8" gravel
- One component – Just add water

Package Yield

65lb pail

0.55 cu ft

PRODUCT DESCRIPTION

TintCrete Concrete is a one-component, polymer-modified, high-slump, high-performance concrete mix. **TintCrete Concrete** is mixed with water and applied from 3/4" to 24" thick. Product includes 3/8" aggregate, corrosion protection and other modifiers. Designed for general purpose and high performance concrete repair and restoration applications. Available in 14 Standard Colors.

SURFACE PREPARATION

Surface preparation is critical to achieve long lasting results. Application surface must be clean, sound and free from any materials that may inhibit bond, such as oil, asphalt, curing compound, acid, dirt and loose debris. Saw cut patches at least 1/2" deep and provide a square shoulder. Roughen surface and remove all unsound material. Preparation by mechanical means, such as abrasive blasting, is preferred. Prepare exposed rebar to remove rust and provide adequate space for material to encapsulate the reinforcement in accordance with ACI PRC-546. Apply Tomes B-1 Rebar Coating to exposed reinforcement. Apply TintCrete Concrete to a surface that is thoroughly saturated with no standing water.

MIXING GUIDELINES

The use of a power-driven mechanical mixer, such as a mortar mixer or a drill-mounted mixer, is recommended. Barrel mixers are not recommended. Organize work so that all personnel and equipment are in place before mixing. Use 3 to 3.5 quarts of clean, potable water per 65-lb unit. Do not mix partial units. Start with 3 quarts of water in mixing container and add dry product slowly while mixing. Mix for 1.5 minutes, varying depth of paddle in mixing container. Allow to sit 30 seconds, thus allowing additives to take effect. Continue mixing for an additional 1 minute until homogeneous, adding water as needed to reach desired consistency. Do not exceed 3.5 quarts of water. Do not retemper. Inconsistent water/cement ratio will affect color.

APPLICATION

TintCrete Concrete may be placed using traditional construction methods. When placing with a concrete pump, pump continuously and clean out equipment immediately after completion. Organize work so that all personnel and equipment are ready before placement. Place at a minimum thickness of 3/4" within 30 minutes. Consolidate and screed quickly to allow for maximum finishing time. The mix may appear to have reached a plastic consistency within the first 30 minutes, but rodding or stirring will return the mix to a fluid and highly workable consistency. Do not wait for bleed water; apply final finish as soon as possible. TintCrete Concrete may be troweled, floated or broom finished. On flatwork, do not install in layers. Install full-depth sections and progress horizontally. To extend working time, use cold mix water. TintCrete Concrete may be applied when substrate and ambient temperatures are between 40°F and 90°F. Do not install on frozen surfaces. When applying coatings, follow the coating manufacturer's recommendations for surface condition.

CURING

Placements must be protected from loss of moisture until material has reached structural strength. For exposed surfaces, apply a curing compound that conforms to ASTM C309, or water cure until structural strength is achieved. Begin curing after the

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material starts to harden and before the surface starts to lose its moist sheen. Rapid drying of cement-based products may cause cracking or de-bonding. Avoid applications in high winds, excessive heat or blowing air directly on freshly placed product. For formed work, keep forms in place to protect from moisture loss. When experiencing extended setting time due to cold temperature, longer curing times may be required. Curing compounds, wet burlap or polyethylene will reduce rapid drying but may cause color change or mar product surface. If form is used, allow material to cure in form for 24 to 48 hours or longer before removing forms. Allow one day for light traffic on horizontal repairs. When applying coatings, follow the coating manufacturer's recommendations for surface condition. Contact CTS Cement if you have any questions or concerns with your application.

LIMITED WARRANTY

CTS CEMENT MANUFACTURING CORP. (CTS) warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of CTS' responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.

TECHNICAL DATA

Compressive strength, 28 day	Exceeds 5,000 psi	ASTM C39
Compressive strength, 7 day	Exceeds 3,000 psi	ASTM C39
Air content	4% to 8%	ASTM C231
Freeze / thaw durability	Excellent	ASTM C666
Bond strength	Exceeds 150 psi	ASTM C1583
Drying shrinkage, 28 day	-0.032%	ASTM C157
Coefficient of thermal expansion	4.79×10^{-6}	ASTM C531
Modulus of elasticity	3.68×10^6	ASTM 469
Slump	8" to 11"	ASTM 143
Resistivity	Less than 15,000 ohm cm	

Reasonable variations from the above data can be expected depending on field conditions, surface preparation, curing, contractor expertise and evaluation and/or handling of test cylinders. Contact CTS Cement for additional details.