C² TINT

C² Tint transforms dull gray concrete into decorative, low-maintenance finished concrete flooring. This non-flammable, water-reducible formulation penetrates and colors cementitious surfaces without risk of etching the surface or corroding nearby architectural metals. Use C² Tint alone or in layers over gray, integrally colored, acid-stained or color hardened concrete for an unlimited range of colors. Apply penetrating C² Tint to concrete before hardening/densifying with C² Super Hard or C² Hard, and then apply the appropriate Crete Colors protective treatment to seal and enhance the color with a high-gloss protective finish. Concentrated C² Tint minimizes freight, handling, storage and container disposal costs.

ADVANTAGES

- Adds color & depth to diamond-polished concrete.
- Enhances integrally colored, acid stained, color hardened or concrete colored with solvent based dyes.
- Ideal for use under C² lithium-silicate hardeners/densifiers.
- VOC Compliant. Non-flammable. Non-toxic. Non-corrosive. Low odor. Suitable for use in occupied spaces.
- Contains no harmful acids. Will not etch polished concrete surfaces or corrode surrounding metals. No need to neutralize.
- Easy application and fast drying lets color be added and blended.
- Produces consistent gem-like color on any age concrete floor.
- Penetrates deeper than acid stains or conventional color pigments. Will not peel or flake.
- Standard colors may be intermixed to create an unlimited number of color variations.
- Additional coats may be applied to improve color depth, uniformity and intensity.

Limitations

- C² Tint is translucent. Variations in the concrete before staining will still be noticeable after staining.
- Not intended for exterior applications or surfaces exposed to intense ultraviolet light.
- Not for use on surfaces exposed to standing water.

TYPICAL TECHNICAL DATA

FORM	Colored liquid, slight odor
SPECIFIC GRAVITY	0.90 - 1.10
pH	not applicable
WT/GAL	7.49 - 9.15 lbs
ACTIVE CONTENT	not applicable
TOTAL SOLIDS	not applicable
VOC CONTENT	<100 g/L
FLASH POINT	>93°C (200°F) ASTM D3278
FREEZE POINT	0° C (32° F)
SHELF LIFE	2 years in tightly sealed, unopened container

REGULATORY COMPLIANCE

VOC Compliance

C² Tint is compliant with the US Environmental Protection Agency's AIM VOC regulations.

Contact us at sales@cretecolors.com for compliance questions with individual country regulations.

SAFETY INFORMATION

Always read full label and SDS for precautionary instructions before use. Use appropriate safety equipment and job site controls during application and handling.

24-Hour Emergency Information:

INFOTRAC at +1-352-323-3500

PREPARATION

Protect people, vehicles, property and nearby surfaces not to be treated from contact with the product or over spray.

Over spray and spills may be difficult or impossible to remove. Use plastic sheeting or other proven protective material, fastened with blue painters tape or other tape that will not leave adhesive residues.

The concrete surface must be clean and dry. Contaminants may prevent penetration of the stain. Remove all curing compounds, dirt, dust and other contaminants with the appropriate Crete Colors surface preparation cleaner.

After cleaning, spray clean water lightly to confirm the surface wets uniformly. If it does not, more surface preparation is needed.

Freshly placed concrete must be at least 21 days old before coloring. Once concrete is placed, protect the surface from all construction activities before staining. Do not store building materials on newly placed concrete surfaces. Avoid standing water.

Surface & Air Temperatures

For best results keep air flow and surface temperatures consistent during application. Surface and air temperatures should be 10–32°C (50–90°F).

Equipment

Apply using a clean, low-pressure sprayer, microfiber pads, brush, roller or rags.
Wear "spiked" shoes when walking in wet C² Tint.

Storage & Handling

Apply product within 24 hours of dilution.

Published shelf life assumes storage of unopened containers in a cool, dry place. Maintain temperature of 10–32°C (50–90°F). Keep from freezing. Do not crush or tear. Dispose of unused product and container in accordance with local regulations.

Packaging

~475ml Bottles

APPLICATION

Read "Preparation" and the Safety Data Sheet before use.

ALWAYS TEST a small area of each surface to confirm suitability, coverage rate and desired results before beginning overall application. Test with the same equipment, recommended surface preparation and application procedures planned for general application. Let surface dry thoroughly before inspection.

Include representative imperfections in the test area. Floor composition and surface finish affect final color C² Tint is translucent and will not mask or hide imperfections in treated surfaces.

Dilution & Mixing

C² Tint is designed for dilution with fresh water. Apply product within 24 hours of dilution.
- Mix one pre-measured bottle with 5 liters of fresh water to make ready-to-use C² Tint

To reduce color intensity, dilute prepared C² Tint with up to 2 parts fresh water.

When desirable, C² Tint may be diluted with acetone to produce a ready-to-use stain. Use appropriate ventilation, safety equipment and job site controls when diluting with acetone.

Blend C² Tint colors for an unlimited range of colors.

Typical Coverage Rates

Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times. Calculate the target coverage rate by testing a representative section of the prepared surface using the published application instructions.

Estimated Coverage Rates

Coverage rate varies with concrete quality and porosity.

First Application:
- 9 – 18 m²/L
- 400–800 ft²/ US gal

Additional Applications:
- 12 – 24 m²/L
- 500–1000 ft²/ US gal

Application Instructions: Color

1. Diamond grind and polish the surface to the equivalent of #200 grit resin diamonds.
2. Clean the floor with a floor-scrubbing machine and fresh water. Let the floor dry.
3. Lightly wet a clean microfiber pad with prepared C^2 Tint.
4. Apply prepared C^2 Tint to the clean, dry concrete floor using a low-pressure sprayer with a conical spray pattern. Wet the surface without producing puddles. Do not over apply. Use a small bucket or rag to collect drips when not spraying.
5. Using the wet microfiber pad, immediately spread the spray-applied C^2 Tint to ensure uniform wetting and color distribution. Continue spray-applying. Maintain a wet edge. Work the color into the surface to minimize streaks and patterns. Two people – one spraying and one spreading – get best results.
6. Do not walk on the freshly stained surface. Let the floor dry thoroughly, 60 minutes minimum.

If you're NOT polishing further, begin Option 1. If you ARE polishing further, start Option 2.

Option 1: NO more polishing
7. Use a floor scrubbing machine and fresh water to remove excess stain residue. Let the wet floor dry.
8. For more color or color variations, apply a second coat of C^2 Tint as described in steps 1–6. Up to three thin coats produce better results than one heavy coat. Each coat must dry for one hour minimum prior to auto-scrubbing.
9. Use a floor-scrubbing machine and fresh water to remove excess stain residue. Let the wet floor dry.
10. Apply a single coat of C^2 Super Hard or C^2 Hard using a low-pressure sprayer. Apply sufficient material to wet the surface without producing puddles. Use a clean, soft-bristle push broom or microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins. Scrubbing is not necessary.
NOTE: Allowing excess densifier to puddle on the floor will extend dry times and create white residue, which must be removed immediately. Contact Crete Colors for removal instructions.
11. Let the treated floor dry. Start Application Instructions for Sealing.

Option 2: MORE polishing
7. Remove excess stain residue with a floor scrubbing machine and fresh water. Let the wet floor dry.
8. Dry-polish to the equivalent of #400 resin diamonds. Polish until all scratch patterns are gone.
9. Clean the floor with a floor-scrubbing machine and fresh water. Let the wet floor dry.
10. For more color or color variations, apply a second coat of C^2 Tint as described in steps 1–6. Up to three thin coats produce better results than one heavy coat. Each coat must dry for one hour minimum prior to auto-scrubbing.
11. Use a floor-scrubbing machine and fresh water to remove excess stain residue. Let wet floor dry.
12. Apply a single coat of C^2 Super Hard or C^2 Hard using a low-pressure sprayer. Apply sufficient material to wet the surface without producing puddles. Use a clean, soft-bristle push broom or microfiber pad to spread product evenly and ensure uniform wetting. Avoid spreading once drying begins. Scrubbing is not necessary. Allow treated surfaces to dry.
NOTE: Allowing excess densifier to puddle on the floor will extend dry times and create white residue, which must be removed immediately. Contact Crete Colors for removal instructions
13. Dry polish to your desired finish and exposure. Start Application Instructions for Sealing.

BEST PRACTICES

Before applying color, use a light water spray to confirm surfaces wet uniformly. If surface does not wet uniformly, additional surface preparation may be needed.

Harden unpolished/polished concrete with C^2 Super Hard or C^2 Hard after staining. Concrete must be sealed with an appropriate C^2 protective treatment.

Wet or dry grind before applying C^2 Tint. Dry grind or dry polish only after applying C^2 Tint. Thoroughly neutralize and rinse acid-stained concrete before applying C^2 Tint. Mask neighboring surfaces as needed to control color bleeding. For best results, spread evenly using a microfiber pad.

When desirable, C^2 Tint may be diluted with acetone to produce a ready-to-use stain. Use appropriate ventilation, safety equipment and job-site controls when diluting with acetone. When spraying, maintain consistent flow rate and spray pattern. Two thin applications of C^2 Tint achieve better color intensity than one heavy coat. When diamond polishing, apply second coat of stain immediately before final dry polishing step. Thoroughly rinse equipment with fresh water between colors and after final application.

Application Instructions: Sealing

Surfaces colored with C² Tint and hardened with C² Super Hard or C² Hard must be sealed within 8 hours.

After final dry polishing and thorough cleaning, allow treated surfaces to dry. Apply one of the following C² protective treatments according to the application instructions published on the most current Product Data Sheet.
- C² Seal
- C² Ultra Seal

Contact your local concrete flooring technical specialist for assistance in determining which sealing product is right for the project. Or contact Crete Colors directly. Product Data Sheets are available anytime at www.cretecolors.com.

Cleanup

Before product dries, clean tools and equipment with soap and water.

Final Results

The floor is ready to use when dry. Protect freshly stained, hardened and sealed surfaces from contact with water or other liquids for 72 hours.

Smooth, hardened concrete surfaces should show reduced water absorption and the desired sheen when dry. Maximum water resistance develops over 7 days.

Maintenance

Clean daily using a microfiber pad or dry dust mop. Dry-buff with a high-speed burnisher to refresh gloss.

Maintain the floor with C² Maintenance or C² Clean. These cleaners were developed to enhance the long-term performance of the finished concrete floor.

Do not use acidic or alkaline cleaners. Acid concentrates and acidic foods may etch the floor and leave residual stains. Clean all spills quickly to minimize chances for damage.

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

Crete Colors International warrants this product to be free from defects. *Where permitted by law, Crete Colors makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose.* The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. Crete Colors International's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves Crete Colors from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability.

This warranty may not be modified or extended by representatives of Crete Colors, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Email us at sales@cretecolors.com for technical support.

Factory-trained representatives are established in countries around the world. Contact us or visit our web site at www.cretecolors.com, for the name of the Crete Colors representative in your area.

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BUILDING MATERIALS