

C² TROWEL AID

C² Trowel Aid is a finishing aid for fresh concrete designed to make the concrete construction process easier. Based on colloidal silica technology, C² Trowel Aid enhances surface lubrication, making the concrete finishing process quicker and more efficient. It also helps to extend the workable time of fresh concrete in challenging conditions such as low humidity, high temperatures, and high winds. Using C² Trowel Aid on fresh concrete eliminates the necessity of adding water to the surface, which can negatively impact the slab's performance. This product can also be used for finishing dry-shake hardeners and eco-friendly concrete mixes that have surfaces which are difficult to trowel smooth.

ADVANTAGES

- **Improved Workability:** Enhances surface lubrication for easier and faster finishing.
- **Extended Open Time:** Increases the workable time in challenging conditions like high heat, wind, or low humidity.
- **Water Addition Elimination:** Reduces the need to add water to the surface, preserving the slab's performance.
- **Supports Low Bleedwater Finishing:** Effective for finishing shake-on hardeners in environments with minimal bleedwater.
- **Reduced Surface Evaporation:** Minimizes evaporation-related issues, helping maintain surface integrity.
- **Mitigated Cracking Risks:** Reduces risks of alkali-silica reaction (ASR), slab curling, and differential shrinkage.
- **Enhanced Durability:** Improves surface performance by preventing dusting and reducing efflorescence in both colored and standard concrete.
- **Sold as a concentrate:** Designed to be diluted 4:1 with water to save on shipping

TYPICAL TECHNICAL DATA

FORM	Milky white liquid
SPECIFIC GRAVITY	1.07
pH	9.5 – 10.5
WT/GAL	8.9 lbs
ACTIVE CONTENT	12%
TOTAL SOLIDS	18%
VOC CONTENT	0 g/L
FLASH POINT	not applicable
FREEZE POINT	32° F (0° C)
SHELF LIFE	2 years in tightly sealed, unopened container

REGULATORY COMPLIANCE

VOC Compliance

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

Contact us at sales@cretecolors.com for compliance 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

PRODUCT DATA SHEET: C² Trowel Aid



PREPARATION

Protect people, vehicles, property, plants and all surfaces not designated to receive C² Trowel Aid from the product, splash and wind drift. Use polyethylene or other proven protective material.

Surface & Air Temperatures

Temperatures for application should be 4–38°C (40–100°F)

Equipment

Apply with low pressure sprayer. Fit sprayers with a 0.5 gpm (gallon per minute) spray tip.

Storage & Handling

Store in a cool, dry place. Always seal container after dispensing. Do not alter or mix with other chemicals. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperatures of 4–38°C (40–100°F). **Do not allow the product to freeze.** Do not double stack pallets. Dispose of in accordance with local regulations. Do not reuse containers.

Packaging

20L, 200L or 1000L Containers

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.

Pre-testing will confirm suitability of surface preparation and application procedures proposed for general application, and will also determine the average coverage rates to be maintained over the entire project.

Dilution & Mixing

C² Trowel Aid is a concentrate, designed to be diluted 4:1 with clean, potable water (4 parts water : 1 part C² Trowel Aid). Mix the concentrate well prior to pouring into sprayer, and continue to keep the diluted material well mixed during application.

Typical Coverage Rates

Variations in concrete quality, porosity, job site conditions, temperature and relative humidity will affect coverage rates and drying times.

Estimated Coverage Rates:

The following coverage rates are offered for estimating only. See below for instructions on calculating project-specific target coverage rates.

Finishing and Troweling Aid:

- 12.5 – 25 m²/L
- 500 – 1,000 ft²/ US gal

Application Instructions

NOTE: Always test a small area to determine the best application rates.

1. Dilute C² Trowel Aid as instructed in the “Dilution and Mixing” section.
2. Using a lower-pressure sprayer with a fan or cone tip, apply C² Trowel Aid to the concrete surface at a rate of 12.5 – 25 m²/L. You can also use the water tanks available on ride-on power trowels.
3. Work the product into the concrete by floating or finishing by hand or with power trowels. C² Trowel Aid must be worked into the surface prior to drying in order to receive the full benefit.
4. C² Trowel Aid can be applied multiple times throughout the project. Avoid exceeding 12.5 m²/L per application.
5. For best results, C² Trowel Aid is applied throughout the entire project. It can also be applied both before and after dry-shake hardener application.

Limitations

- C² Trowel Aid should not be confused with concrete sealers; it will not seal or prevent staining.
- Do not allow C² Trowel Aid to puddle or pond on the surface.
- C² Trowel Aid reduces moisture vapor emissions and will aid curing. Please note that C² Trowel Aid is not a membrane-forming curing compound and is not a replacement for specified curing compounds.



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.