



C² GRIND AID+

C² Grind Aid+ is a water-based blend of surfactants and silicates applied to the concrete surface prior to and during wet-grinding. The formulation is specially designed to penetrate and react with concrete, leaving a harder and denser surface after grinding. By minimizing scratches, C² Grind Aid+ reduces the amount of time spent with each metal and lower grit resin-bound diamond tooling, shortening the overall project timeline and extending the life of the diamonds.

Using a special blend of surfactants, C² Grind Aid+ lifts concrete slurry solids away from the surface, suspends them and clears the path for the diamonds. This keeps the slurry solids from interfering with the ability of the diamonds to remove the concrete surface, increasing efficiency. C² Grind Aid+ combines the technologies of surfactants and silicates to perform as both a grinding aid and concrete hardener.

ADVANTAGES

- Minimizes scratches created during lower grit diamond tooling steps.
- Extends the life of diamonds and shortens the project timeline.
- Reduces labor and tooling costs.
- Ideal for power trowel polishing, but benefits all types of polishing systems.
- Penetrates and reacts quickly to harden the surface.
- Makes post-grinding clean up easier.
- Lifts and suspends slurry solids away from diamond tooling, allowing for faster bulk removal of concrete surface during grinding.
- Increases efficiency.
- Works well on new or existing concrete.
- Treated surfaces are easier to maintain.
- VOC-compliant. Non-flammable. Non-toxic.

Limitations

- For use with wet-grinding only.
- Do not allow concrete to dry during process.

REGULATORY COMPLIANCE

VOC Compliance

C² Grind 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.

TYPICAL TECHNICAL DATA

FORM	Clear, water-like liquid
SPECIFIC GRAVITY	1.05
pH	11.3
WT/GAL	7.9 lbs
ACTIVE CONTENT	N/A
TOTAL SOLIDS	N/A
VOC CONTENT	<0.5%
FLASH POINT	>100°C (212° F)
FREEZE POINT	0° C (32° F)
SHELF LIFE	2 years in tightly sealed, unopened container

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, plants and all adjacent or nearby surfaces from the product, splash and wind drift. Use polyethylene or other proven protective material.

All surfaces must be clean and free of grease, oil, dust, dirt or standing water, etc. Surfaces must be clean, dry and absorbent.

Confirm surface absorbency with a light water spray – surfaces designated for treatment should wet uniformly. If the surface does not wet uniformly, use the appropriate Crete Colors surface preparation cleaner or mechanical process to remove remaining surface contaminants. For recommendations, please contact us directly.

Surface & Air Temperatures

Temperatures for application should be 4–32°C (40–90°F)

Equipment

Apply using low-pressure sprayer.

C² Grind Aid+ may also be poured onto the floor from the container and spread with a soft-bristled push broom.

C² Grind Aid+ can be used with an autoscrubber.

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 7–38°C (45–100°F). Do not double stack pallets. Dispose of in accordance with local regulations. Do not reuse containers.

Packaging

3.5L, 20L, or 200L 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.

Dilution & Mixing

Do not dilute or alter. Use as supplied.

Mix well before use.

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

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

First Application:

- 8 – 15 m²/L
- 300–600 ft²/ US gal

Subsequent Application(s):

- 15 – 25 m²/L
- 600–1000 ft²/ US gal



PRODUCT DATA SHEET: C² Grind Aid+

Application Instructions

C² Grind Aid+ should only be used when wet-grinding concrete floors. The following instructions are guidelines that can be modified for specific equipment, job-site conditions or personal experience.

1. Wet concrete surface with water.
2. Apply C² Grind Aid+ by low-pressure spray or pour and spread with a soft-bristled push broom on the floor. Saturate the floor, but do not create puddles.
3. Wet-grind the floor starting with lowest grit diamonds specified. Keep floor wet to create thick foam of slurry.
4. If floor starts to dry while grinding, re-saturate with water. Do not allow floor to completely dry.

5. After each grinding level, clean the floor with fresh water; solution and slurry should be removed/vacuumed up. If thoroughly cleaned, the floor can dry between grinding levels. NOTE: If an autoscrubber is used, a commercially available defoamer may be added to the recovery tank.
6. Re-apply C² Grind Aid+, following steps 1–5 above.
7. When finished, remove/vacuum up all solution and slurry. Clean the floor with fresh water, and allow to dry.

Cleanup

Clean tools and equipment using fresh water.

BEST PRACTICES

Stains and soiling may interfere with penetration. If appropriate, use the appropriate Crete Colors prep cleaner to remove contaminants from existing concrete before application.

For recommendations on removing stains and coatings, visit www.cretecolors.com, or contact your local Crete Colors distributor

C² Grind Aid+ is designed for use with wet-grinding only.

Apply with low-pressure sprayer, or by pouring on the floor in front of the grinder. Spread with a soft-bristled push broom. Saturate the floor, but do not create puddles.

Do not allow concrete to dry during process. If floor starts to dry while grinding, re-wet with water. Do not allow floor to completely dry.

After each grinding level, clean the floor with fresh water; solution and slurry should be removed/vacuumed up. If needed, a commercially available defoamer may be added to the auto-scrubber recovery tank.

For best results, apply C² Hard or C² Hard Blend per product data sheet instructions prior to final grinding step.

If you have problems or questions, contact your local Crete Colors distributor or email us directly at sales@cretecolors.com

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.