C² COLOR HARD™

Step-by-Step Application Instructions – C² Color Hard

Before beginning, always read SDS and Product Data Sheet for complete instructions and safety information. Always prepare a test panel before proceeding.

SURFACE PREPARATION - FOR INTERIOR OR FOR BEST SHEEN

1. Using heavy grinding equipment, grind the surface starting with 50 metal diamonds.
2. Continue with 100 metal diamonds.
3. If concrete is soft (2-4 rating on Mohs) – polish up to 100 or 200 resin.
4. If concrete is hard (5-9 rating on Mohs) – polish up to 50 resin.
5. Clean the surface well with water and auto scrubber.
6. Let the surface dry thoroughly.

SURFACE PREPARATION - FOR INTERIOR/EXTERIOR TROWEL FINISHED OR BROOM FINISHED CONCRETE (NO GRINDING REQUIRED)

1. Remove any curing compounds using C² Remove™ per manufacturer's instructions. For best results use an auto scrubber to work in C² Remove™ and clean up residue.
2. Next, clean and etch the concrete with C² Safe Prep™. Dilute per manufacturer's instructions. Never apply at 100% because it may cause yellowing of concrete. Use low pressure pump sprayer for application. Using a stiff bristle broom will help work C² Safe Prep™ into the concrete. C² Safe Prep™ will open the surface pores to ensure uniform coloring of the C² Color Hard™. After application of C² Safe Prep™, thoroughly clean up residue with auto scrubber and water.
3. Let the surface dry thoroughly.

PLEASE NOTE:

- Surface needs to be opened enough to accept pigment molecules of the C² Color Hard™ mixed with C² Hard™.
- Always the C² Color Hard™ concentrate before each use. The C² Color Hard™ needs to be mixed well with 5 liters of C² Hard™ (C² Super Hard™ is not recommended). Diluted C² Color Hard™ must be used within 24 hours from the time of mixing.
- If the concrete is very hard, dilute one container of the C² Color Hard™ with 7-10 liters of the C² Hard™ and apply 3 thin coats instead of 2 coats. This will allow for easier application and better penetration of the C² Color Hard™ into the concrete. For greater color intensity apply a third coat with the normal, recommended dilution – 1 container of pigment with 5 liters of the C² Hard™.
- Allow a minimum of 1 hour dry time between each coat.
- The standard coverage rates are as follows:
    - First application on concrete prepped to 50, 100 or 200 resin diamond (as instructed above)
        - 10-15 m^2/liter.

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- Second application
  - 15-20 m²/liter.

*Coverage rates are for estimating purposes only. Actual coverage rates may vary.

C²COLOR HARD™ APPLICATION AFTER THE SURFACE WAS PREPARED:

1. Pre-wet the microfiber with properly mixed C² Color Hard™ before application.
2. Spray liquid on concrete evenly. Avoid puddles and over application. Use sprayer with adjustable nozzle that creates a "fan" when spraying.
3. Apply with a microfiber applicator in a smooth, irregular pattern to minimize streaking. Best results are achieved when two people are used for application – one to spray the product while the other uniformly distributes the product.
4. Continue spray applying sufficient product to maintain a wet edge with the microfiber pad. Redistribute and work the color into the surface to minimize unintended streaking or patterns. Do not overwork the product or attempt to spread the product once it begins to dry. Do not attempt to achieve final color on the first application.
5. Let the surface dry for minimum 1 hour.
6. Apply 2nd coat of C² Color Hard™. This application should be lighter that the first one. Avoid streaks.
7. Let the surface dry for 1-hour minimum.
8. Apply 3rd coat if desired, wait for 1 hour to dry and cure. Burnish final coat with 800-grit or higher diamond impregnated burnishing pads.
9. Finish application with C² Seal™ (interior only), C² Ultra Seal™ (interior only), and C² Dura Seal™ (interior/exterior), C² Stain Safe™ (interior/exterior).

Finishing with C² Seal™ (Interior Only)

1. Apply thin coat of the C² Seal™ per manufacturer's instructions and let it dry. You can burnish with a C² Heat™ pad as soon as C² Seal™ is dry. Continue the same application for the 2nd coat. Two coats are needed for maximum protection. Protect surface from liquids on treated surfaces for 72 hrs. Allow 7 days cure for maximum chemical resistance.
2. Finishing with C² Ultra Seal™ (interior only) or C² Dura Seal™ (interior/exterior)
3. You must apply C2 Ultra Seal™ and C2 Dura Seal™ per manufacturer's instructions and coverage rates. Unlike C² Seal™ with two very thin coats, C² Ultra Seal™ and C² Dura Seal™ needs to be applied thicker (heavier) to insure proper chemical resistance at 10-20m2/liter. Please see step-by-step application instructions for details.
4. You can burnish with a "soft white pad" as soon as C² Ultra Seal™ and C² Dura Seal™ is dry. Do not use C² Heat™ pad. Continue the same application for the 2nd coat. Two coats are necessary for maximum protection. Protect surface from liquids for 4 hours after final coat. Allow 7 days cure for maximum chemical resistance.

Finishing with C² Stain Safe™ (interior/exterior)

1. Apply C² Stain Safe™ per manufacturer's instructions by spraying on the surface. Make sure the entire surface is generously wet, but not over applied. On extremely porous concrete a second application may be necessary to ensure proper stain resistance. 2nd coat must be applied while 1st coat is still damp, due to its ability to repel its self once 1st coat dries. See step-by-step application instructions for details.
2. Use pump sprayer for C² Stain Safe™ applications. Do not over apply or puddle on the surface. (Protect surface from liquids for 24 hours for best chemical resistance).