C^2 HARD™

Step-by-Step Instructions – C^2 Hard on fresh, uncured concrete

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

Application

OPTION A: FRESHLY PLACED, UNCURED, STEEL-TROWELED CONCRETE
(WHEN USING A CURING CHEMICAL AGENT AND "NOT" APPLYING C^2 SEAL™)

1. There is no need for surface preparation when C^2 Hard™ is applied on freshly finished concrete. C^2 Hard™ should be applied after final toweling and installation of the expansion joints but before application of an appropriate curing compound. Remove saw cuts debris before applying C^2 Hard™.
2. Shake and mix C^2 Hard™ before application. Do not dilute.
3. Estimated coverage rates 12.5-20 m^2/L. Coverage rates vary, depending on density and porosity of concrete.
4. Pre-wet the microfiber with C^2 Hard™ before application.
5. Apply C^2 Hard™ by spray and evenly spread with microfiber applicator in a swivel motion; avoid streaks and micro lines. Avoid over-application. Continue spray applying sufficient C^2 Hard™ to maintain a wet edge with the microfiber pad. Best results are achieved when two people are used for application – one to spray the product while the other uniformly distributes the product.
6. Let the surface dry for 15-30 minutes.
7. Using an auto-scrubber clean with water and remove any dry powder residue that may be present from liberal application.
8. Let treated and cleaned surfaces dry 1-2 hours.
9. Immediately apply the specified curing agent.
10. Let specified curing agent dry (per manufacturer's specifications).
11. After construction of building is complete, burnish concrete with high-speed equipment, fitted with an 800 level diamond impregnated pad.
12. For more sheen, continue to 1,500 and or 3,000 level diamond impregnated pads.

OPTION B: FRESHLY PLACED, UNCURED, STEEL-TROWELED CONCRETE
(WHEN USING CURING CHEMICAL AGENT AND APPLYING C² SEAL™)

1. Follow steps 1-10 above.
2. After construction of building is complete, curing agent needs be removed in order for C² Seal™ to penetrate properly.
3. Use C² Remove™ to correctly remove curing agent. Please see C² Remove™ step-by-step application instructions.
4. Ensure concrete is clean, free of residue and debris. Let surface dry before applying C² Seal™.
5. Shake and mix C² Seal™ well before application. Do not dilute.
6. Estimated coverage rates:
   First coat 25-40 m²/L. Second coat 40-60 m²/L. Coverage rates vary, depending on density and porosity of concrete.
7. Pre-wet the microfiber with C² Seal™ before application.
8. Apply well-mixed C² Seal™ by spray and evenly spread with microfiber applicator in a swivel motion; avoid streaks and micro lines. Avoid over-application. Continue spray applying sufficient amount of the C² Seal™ on the entire surface with the microfiber pad. Best results are achieved when two people are present for application – one to spray the product while the other uniformly distributes the product.
9. Let the surface dry for 15-30 minutes.
10. Burnish C² Seal™ with propane driven, high-speed burnisher and the C² Heat™ pad. The microfilm has to be melted into the concrete with the surface temperature higher than 33°C.
11. As soon as the burnishing is complete, apply the second coat of the C² Seal™ as instructed above.
12. Let the surface dry for 15-30 minutes.
13. Burnish C² Seal™ as instructed above.
14. Protect treated surfaces from liquids for 72 hours. C² Seal™ reaches maximum cure and protection in 7 days.

OPTION C: FRESHLY PLACED, UNCURED, STEEL-TROWELED CONCRETE
(WHEN USING CURING BLANKETS AND "NOT" APPLYING C² SEAL™)

1. After final toweling and installation of the expansion joints are complete immediately install specified curing blankets.
2. Let blankets set for 7 days.
3. Immediately after removal of curing blankets, scrub and vacuum area with clean water. Use C² Wash™ to remove any curing marks left behind. Auto-scrub with no vacuum and work in C² Wash™ for 10-15 minutes. Do not allow to dry. Then vacuum up residue. Rinse concrete with clean water.
4. C² Wash™ coverage rates are 15-30 m²/L.
5. Follow steps 2-8 of option A, above, for application of C² Hard™.
6. After construction of building is complete, burnish concrete with high-speed equipment, fitted with an 800 level diamond impregnated pad.
7. For more sheen, continue to 1500 and or 3000 level diamond impregnated pads.

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Step-by-Step Instructions: C² Hard™

OPTION D: FRESHLY PLACED, UNCURED, STEEL-TROWELED CONCRETE
(WHEN USING CURING BLANKETS AND APPLYING C² SEAL™)

1. After final toweling and installation of the expansion joints are complete immediately install specified curing blankets.
2. Let blankets set for 7 days.
3. Immediately after removal of curing blankets, scrub and vacuum area with clean water. Use C² Wash™ to remove any curing marks left behind. Auto-scrub with no vacuum and work in C² Wash™ for 10-15 minutes. Do not allow to dry. Then vacuum up residue. Rinse concrete with clean water.
4. C² Wash™ coverage rates are 15-30 m²/L.
5. Follow steps 2-8 of option A, above, for application of C² Hard™.
6. Ensure concrete is clean, free of residue and debris. Let surface dry before applying C² Seal™.
7. Shake and mix C² Seal™ well before application. Do not dilute.
8. Estimated coverage rates:
   First coat 25-40 m²/L. Second coat 40-60 m²/L. Coverage rates vary, depending on density and porosity of concrete.
9. Pre-wet the microfiber with C² Seal™ before application.
10. Apply well-mixed C² Seal™ by spray and evenly spread with microfiber applicator in a swivel motion; avoid streaks and micro lines. Avoid over-application. Continue spray applying sufficient amount of the C² Seal™ on the entire surface with the microfiber pad. Best results are achieved when two people are present for application – one to spray the product while the other uniformly distributes the product.
11. Let the surface dry for 15-30 minutes.
12. Burnish C² Seal™ with propane driven, high-speed burnisher and the C² Heat™ pad. The microfilm has to be melted into the concrete with the surface temperature higher than 33°C.
13. As soon as the burnishing is complete, apply the second coat of the C² Seal™ as instructed above.
14. Let the surface dry for 15-30 minutes.
15. Burnish C² Seal™ as instructed above.
16. Protect treated surfaces from liquids for 72 hours. C² Seal™ reaches maximum cure and protection in 7 days.