

CCI-100 Colour Hardener

This guide is for experienced cement finishers only. Due to varying jobsite conditions and finishing practices Concreation Canada Inc. cannot warranty results.

Step 1

CCI-100 Color Hardener should be hand-broadcast uniformly across the surface of the plastic concrete by the dry-shake method. Wide areas may necessitate the use of a bridge. Mechanical spreaders are effective on larger installations. Keep the broadcast at a low level. The color hardener should be applied in two separate shakes. Two-thirds of the material should be applied in the first shake with one-third being withheld for the second shake and final touch-up as necessary. Apply to wet concrete that is OPEN only, use wood floats so material can be fully worked in.

A minimum coverage rate of 0.6 - 1.0 lbs. per sq.ft. is required for even colour appearance with most colours. Lighter colours may require a higher shake rate using a minimum of 1.0 lbs per sq.ft. In high traffic areas a minimum shake of 1.0 lbs per sq.ft. is required regardless of colour.

To prevent segregation of the aggregates, the color hardener should not be broadcast from a point above knee level or thrown more than a few feet, unless under windy conditions. For more uniform coverage, applications should be made at 90 degrees to each other when practical. Since concrete sets more rapidly along the edges of the slab, material should be applied to the edges first, and they should be worked before the rest of the surface. A small quantity of material should be withheld from the final shake for touching up non-uniform or weak-toned areas as necessary.

Step 2

After each broadcast, the dry color hardener must be thoroughly and completely worked into the surface by the use of wooden hand floats or a power troweling machine equipped with float blades. Long-handled fresnos must not be used. The concrete must not be troweled until after the final application of CCI-100 Colour Hardener.

Step 3

After application of the final shake; the surface should be floated, followed by hand or machine troweled. To prevent burning or darkening of the surface, hard steel troweling should be minimized, especially at the edges and joint lines. All surfaces should be finished within reasonably the same time after placing.

STAMPED/IMPRESSED FINISH

If the color-hardened surface is to be imprinted with stamping tools, CCI-300 Powder Release Agent or CCI-300 Liquid Release should be used to prevent stamps from sticking to the concrete surface, refer to application guide for CCI-300 Powder Release or CCI-300 Liquid Release for complete application instructions.

PLAIN FINISH

For coloured interior garage, warehouse or commercial flooring with plain finishing, follow with CCI-1000 Lithicon to densify and strengthen the surface for buffing/polishing. Use CCI-1000-Teflocon for a final high gloss seal and for extremely hi-resistant stain protection.