

COLORED CONCRETE HARDNER

Features:

- Easy to use
- Can apply to fresh concrete
- Looks new longer
- Non-dusting, non-marking
- Increases surface durability, wear-resistance and abrasion resistance
- UV resistance
- Breathable to allow vapor transmission
- Provides uniform appearance and color
- Wide range of colors
- Self-polishing, quick drying
- Highly stain-resistant
- VOC compliant

PRODUCT DESCRIPTION

Sher-Crete® Colored Concrete Hardener is a proprietary formula providing superior reaction, uniformity, and unmatched durability while resisting fading and efflorescence. Our unique chemistry combines stellar results with easy application, increased dwell time and deep penetrating protection.

Sher-Crete® Colored Concrete Hardener forms chemical bonds to create a micro-film along the surface of the concrete, thus enhancing gloss and hardness without affecting slip resistance.

Sher-Crete® Colored Concrete Hardener will not absorb water or contribute to SSS (Surface Sweating Syndrome) or ASR (Alkaline Silica Reactivity).

- Helps prevent discoloration or damage from common spills such as food, oil and chemicals as well as environmental contaminants and everyday use
- Cures quickly to allow for a second coat application, typically in fifteen minutes; floors can be re-opened to traffic one hour after application
- Reduces application time and costs of burnishing and mechanical diamond polishing
- Helps restrict the absorption of water, fatty oils and dirt, making it easier to clean and adding to the lifespan of the floor
- Helps block efflorescence

BENEFITS

- Turns jobs faster
- Produces immediate results, high sheen and stain protection
- Easier to clean than unsealed/polished
- Provides low cost maintenance and long-term light reflectivity
- Refurbishable
- Offers low life cycle costs
- Requires less time for application

SPECIFICATIONS

Coverage

400 sq ft/gal

Coverage will vary depending on the porosity and texture of the substrate

Color & Finish

Clear and White Base

Item Code	SKU	Package
CDB005	9583444	5 gallons
CDB055		55 gallons

A matte finish can be achieved by grinding the surface to a 50 grit resin.

A satin gloss is achieved by prepping to a 100 grit resin. A high gloss can be achieved by grinding to a 200 grit resin.

An additional level of gloss and color vibrancy may be achieved by applying Sher-Crete® Sealer for Stained or Polished Concrete over the Sher-Crete® Colored Concrete Hardener.

Drying Time. @ 77°F 50% RH:

temperature and humidity dependent

To touch:	30-60 minutes
Light Foot Traffic:	30-60 minutes
Wheeled Traffic:	2 hours

SHER-CRETE® COLORED CONCRETE HARDENER

Material Safety Data Pages are available from your Sherwin-Williams representative.

Prior to use, read, understand and follow all label and data page information and all safety information.

Employee education and training in safe handling of this product are recommended.

PREPARATION AND USE

Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for compatibility prior to full scale application.

Test the absorbency of the substrate by sprinkling water on the surface in a variety of areas across the entire surface to get an average condition. If the water penetrates into the substrate quickly, it is ready to finish. If the water beads up or does not penetrate, the surface has some type of sealer/coating.

All surfaces must be clean, dry and free of grease, oil, dust, dirt, etc. To clean, use a neutral pH cleaner/degreaser, following label directions, rinse thoroughly and allow the surface to dry. If mold, mildew, or fungus is present, kill and remove by cleaning with a solution of 1 part household bleach to 3 parts water.

Any membrane-forming curing compounds or sealers should be removed using an abrasive as aggressive as diamonds or as passive as a black stripping pad.

For the best protection on concrete and masonry, patch and repair damage, holes, cracks and crevices. Use Sher-Crete® Repair products or Stampede® Sealants following label directions. Patching compounds and sealants will generally be visible through clear coatings. Mixing concrete dust from the floor onto the patch while still wet can help blend the patch into the overall floor.

Epoxy repair materials should be applied prior to abrading/burnishing; urethane and polyurea materials should be applied after abrading/burnishing.

The surface of the concrete can be abraded by using ICRI 03732 / SSPC-SP13 / NACE 6 Surface Preparation for Concrete methods. This can include light sand blasting, track blasting or grinding and honing using the appropriate series of abrasives. Remove all blast residue. The floor can be ground using either a dry or wet grinding process.

When using a grinding process, depending on the initial condition of the floor and the desired finish, use anywhere from a 25 grit for product or surface removal up to 3500 grit for a very smooth, polished finish.

The coarse grit abrading should be followed by progressively finer grits until the desired finish is accomplished.

Depending on the condition of the surface, you can use Sher-Crete® Cleaner & Neutralizer to remove or neutralize alkalinity problems; or use Sher-Crete® Alkalinity Control Primer to neutralize damage from efflorescence, sweating, and other alkalinity problems by infusing lithium ions into the concrete surface.

APPLICATION

In order for Sher-Crete® Colored Concrete Hardener to work properly it must be able to come in contact with bare concrete.

The desired finished level of gloss is determined by surface preparation. A matte finish can be achieved by grinding the surface to a 50 grit resin. A satin gloss is achieved by prepping to a 100 grit resin. A high gloss can be achieved by grinding to a 200 grit resin.

Additional levels of gloss, color vibrancy and chemical resistance may be achieved by applying Sher-Crete® Sealer for Stained or Polished Concrete. Both Sher-Crete Colored Concrete Hardener and Sher-Crete® Sealer for Stained or Polished Concrete may be burnished with a black stripping pad and a high-speed propane burnisher for additional gloss. A black stripping pad is preferred over other pads as it has a lower level of binder and a higher percentage of abrasive. The curing process of Sher-Crete Colored Concrete Hardener is accelerated with heat.

Sher-Crete® Colored Concrete Hardener should not be sprayed on glass or metals. If allowed to dry on the surface, it may etch both glass and metal.

The average coverage rate is 400 square feet per gallon. Coverage will be determined by application methods and rates. The higher the level of color intensity, the lower the coverage rates will be. Coverage rates can vary between 200 and 800 square feet per gallon. When tinting, pigment loads should be between 1.5 to 2.0% by weight. Percentages higher can result in the pigment bridging and poor color saturation. This will interfere with color penetration into the slab.

To produce unique patterns, Sher-Crete Colored Concrete Hardener can be sprayed and left to dry without moving it across the surface. Multiple applications will produce a product which has a more uniform appearance. Under-application can result in lines in the color of the Sher-Crete Colored Concrete Hardener. Color can be adjusted by multiple applications. It can be layered and built on itself. Precise color adjustment can be achieved by applying several light applications. Heavy applications over existing Sher-Crete Colored Concrete Hardener may cause the color to lift. The colors on the color chart are an approximation of the actual color. The end product is determined by the application procedures used by the installer and the concrete surface that you are working on.

Allow Sher-Crete Colored Concrete Hardener to dry completely. It should be dry 30 minutes prior to burnishing.

CLEAN UP

Clean spills, spatters, hands and tools immediately after use with soap and warm water.

MAINTENANCE

Routine sweeping, mopping, washing, and mechanical scrubbing of floors with a neutral pH cleaner are recommended. Water can be sufficient in some environments. DO NOT USE cleaners that are either acidic or have a butyl base. The product is chemically resistant; it is susceptible to stripping with butyl degreasers and some acids.