

CONCRETE HARDNER

Features:

- Excellent water repellency
- Dust proof
- Can use either a dry or wet grinding process
- Can be polished from a satin to high gloss finish
- Interior Use
- Breathable
- Ideal for polished, dyed and stained concrete

PRODUCT DESCRIPTION

This multi-use product both hardens and densifies. Ideal for floors that require re-honing or light mechanical polishing. **Sher-Crete® Concrete Hardener** penetrates deeply and seals floors; it's ideal for concrete floors in warehouses, distribution centers and retail stores.

Sher-Crete® Concrete Hardener's low pH provides better hardening characteristics and an attractive, longer-lasting alternative to conventional systems or products. **Sher-Crete® Concrete Hardener** will not leave the white residue, sometimes called "surface bloom", common with sodium silicate products.

With **Sher-Crete® Concrete Hardener**, there's no scrubbing or water wash required. The product penetrates and reacts quickly, producing a better initial hardness that's more uniform, more consistent and more forgiving than conventional products.

Sher-Crete® Concrete Hardener requires little to no downtime for your facility and often your floor can be re-opened within less than one hour of treatment.

BENEFITS

- Less down time
- Enhances and protects stained, integral color and dyed decorative surfaces
- Preserves natural look
- Helps to reduce alkalinity efflorescence
- Reduced overall project costs
- Provides higher reflective gloss and sheen.
- Concrete hardening up to 1/4" deep
- Superior hardness
- Increases life expectancy of the concrete surface
- Safe, durable, long-lasting
- Resistant to blushing and will not yellow or age with exposure

SPECIFICATIONS

Coverage

400 - 600 sq ft/gal

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

Color & Finish

Clear

Item Code	SKU	Package
F200005	182-9209	5 Gallons
F200055	182-9217	55 Gallons

Satin Finish as packaged

The degree of gloss achieved is based on polishing the surface. Using a 3M 7200 Black Stripper Pad*, the product can be polished to a semi-gloss or gloss finish, based on the amount of time the surface is polished.

* or equivalent product

Drying Time. @ 77°F 50% RH:

temperature and humidity dependent

Recoat:	30-60 minutes
Light Foot Traffic:	30-60 minutes
Wheeled Traffic:	2 hours

SHER-CRETE® 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.

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

1. Apply Sher-Crete® Concrete Hardener using a low-pressure sprayer or HVLP sprayer. Spread to ensure uniform coverage. Do not apply more product than you can polish in an 8-hour period.
2. Apply enough Sher-Crete® Concrete Hardener to keep the surface wet for 30 minutes. Add additional product as needed to keep the surface wet with the hardener. Coverage rates will vary based on the porosity of the surface. Average coverage rates are between 400 and 600 square feet per gallon.
3. Allow Sher-Crete® Concrete Hardener to air dry. Do not remove the wet material from the floor. Any excess material will dry as a white powder and can be swept or vacuumed for the surface.
4. Polish the floor if needed to the desired gloss.
5. For additional gloss add a second thin application and polish until dry. This will improve the appearance. This product can be burnished with a 3M® 7200 Black Stripping pad (or equivalent) for a semi-gloss or high gloss finish.
6. If necessary after the product has dried, any unreacted material can be swept with a broom or rinsed and wet vacuumed with an auto scrubber.

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.