

DEEP SUBSURFACE / PH NEUTRAL CONCRETE HARDENER / HIGHLY ABRASION RESISTANT

# GREEN UMBRELLA™



## Product Description

Green Umbrella DryShield™ is an environmentally friendly concrete hardening densifier that deeply penetrates and chemically reacts with concrete to create a floor surface that is harder, denser and less porous, while allowing for maximum penetration of concrete colorants. A clear, odorless solution, Green Umbrella DryShield™ is specially designed for wet grinding and honing. Does not require rinsing and removal, saving considerable time and money while eliminating hazardous waste disposal issues — significantly reducing your company's impact on the environment.

## Basic Use

**For New and Existing concrete:** Green Umbrella DryShield™ can be used as stand alone concrete hardener and densifier to prevent concrete dusting and disintegration.

**For Ground, Honed & Polished Floors (Polished Concrete):** Green Umbrella DryShield™ is applied as part of a Green Umbrella GUEPC System (Green Umbrella Engineered Polished Concrete, described in Note to Specifier section) to harden concrete for a longer shine. Designed as the foundation treatment, Green Umbrella DryShield™ is introduced between the grinding and honing steps resulting in abrasion resistance with a natural appearance.

**Varied Locations:** Green Umbrella DryShield™ is specially formulated for use in manufacturing & light assembly plants, warehouse/distribution centers, food service operations, retail stores & showrooms, parking decks, garages, airports, hospitals and wherever concrete surfaces are maintained. It can be used for indoor or outdoor concrete.

## Features and Benefits

- Insoluble, product will not wash out
- Increases hardness more than 1/4 inch, Superior stand-alone concrete hardener, prevents dusting
- Does not require Calcium Hydroxide reaction, may apply same day as pour or
- No 7-28 day application restriction, less downtime
- pH neutral & non-hazardous
- 100 percent reactive, creating more than a shell surface
- Reduces porosity, Increases longevity
- Natural appearance, will not yellow
- Requires no rinsing & disposal and will not gel on surface — simply air dry
- Highly abrasion resistant to foot & wheeled traffic
- Spray & go, brief dwell time, reduces downtime
- Non-sodium, does not contribute to Alkali Silica Reaction
- No VOC's

## Additional Features & Benefits for Polished Concrete

- Designed for use in an environmental, wet grinding process
- Increased concrete colorant retention
- Deeply subsurface, is not cut off during honing & polishing stages

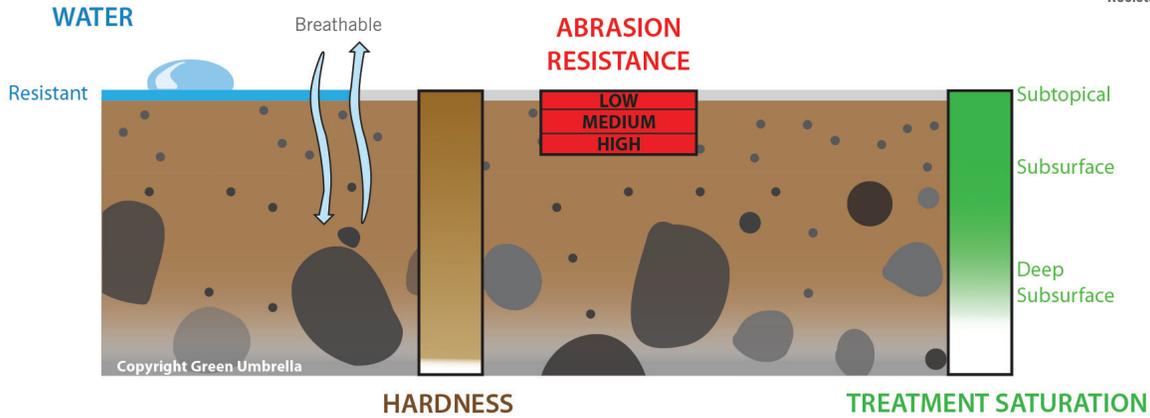
### Technical Information

Chemical Family.....	Amorphous Silica
Substrate Location.....	Deep Subsurface
Appearance.....	Clear
Odor.....	None
Film Forming.....	No
Active Ingredients.....	100%
Type.....	Hardener/Densifier
pH.....	6.2
Boiling Point.....	212 F
Packaging.....	.5-gal bucket, 55-gal drum, 275-gal tote
Shelf Life.....	2 years
VOC (grams/liters).....	0
Freezing Point.....	32 F (Do Not Allow to Freeze)



SDS for all products are available at  
[www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com)

# GREEN UMBRELLA™ SUBSTRATE INDEX



## Websites & Consulting

**Architects & General Contractors:**  
www.GreenUmbrellaSystems.com

**Product Consulting email:**  
Info@GreenUmbrellaSystems.com

New Green Umbrella  
20 Jetview Drive  
Rochester, NY 14624  
(844) 200-7336

## Estimating

**Container Sizes:** Green Umbrella DryShield™ is available in containers holding 5, 55 and 275 gallons. Each container is properly labeled with information including the product name, description, and application instructions.

**Dilution:** No dilution.

**Coverage Rates:** Green Umbrella DryShield™ has an average coverage rate of 400 sq. ft. per gallon. Coverage rate can be increased to up to 700 sq. ft. per gallon when used with Green Umbrella GreenCut™ cutting agent as part of a Green Umbrella Treatment System. Under normal conditions, only one application is necessary. Coverage depends on the porosity of concrete substrate, time, temperature and humidity.

## Specifications



For CSI Specifications, go to  
[www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com)

## Short Specification DIVISION THREE SECTION 03 3536

### New Conventional Concrete:

Green Umbrella DryShield™ can be applied the same day of pour **after** concrete placement and finishing, once the concrete is hard for walking. Or as specified in the construction process. Apply Green Umbrella DryShield™, an amorphous silica solution, to chemically harden, seal, and densify concrete surfaces. Apply @ 400-700 sf per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry.

### Existing Concrete:

Green Umbrella DryShield™ can be applied at anytime. Concrete should be thoroughly cleaned and swept of all debris and potential contaminants—including sealers, wax, coatings and oil or food spills—prior to concrete processing.

Apply Green Umbrella DryShield™, an amorphous silica solution, to chemically harden, seal, and densify concrete surfaces. Apply @ 400-700 sf per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry.

### New Concrete to be Abrasively Polished:

Specify 1) GreenIce IceStart and IceStop for cure **during and immediately after** concrete placement & finishing. 2) Apply Green Umbrella DryShield™ after the last wet cut. Apply after the last metal cut or the first honing cut according to use of colorants or surface specified. Apply Green Umbrella DryShield™, an amorphous silica solution, to chemically harden, seal, and densify concrete surfaces. Apply @ 400-700 sf per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry.

**Existing Concrete to be Abrasively Polished (GHP Concrete):**

A GHP floor requires that surfaces must be processed by means of a planetary grinding machine to mechanically remove existing coatings, surface imperfections and to flatten concrete floors. To reach the desired surface cut and clarity of reflection, additional abrasive steps may be required to grind, hone or polish floors to the specified extent. Green Umbrella DryShield™ is a component of the GUEPC system and should only be installed by a certified Green Umbrella Craftsman. To find a certified contractor, call (844) 200-7336. A ten-year limited warranty will be issued to the owner upon receipt of a completed and signed job survey form, detailing the steps and products used in the processing of the floor. Other requirements may be necessary.

**Note to Specifier:****The Green Umbrella Engineered Polished Concrete (GUEPC) System**

Treatments like Green Umbrella DryShield™ are just one part of a successfully specified concrete floor. The specifier must keep in mind several construction disciplines: the concrete mix design, concrete placement, concrete finishing and finally the “polisher” or the GHP craftsman. We encourage you to carefully specify these elements, even if Green Umbrella™ products are not used. Each of these disciplines is critical for overall success of this design element. Ways and means generally need to be specified. GUEPC is a concrete polishing system, from design to completion, created to help the specifier succeed. The GUEPC system includes the concrete pour through to the maintenance of the floor. It starts, when possible, by designing the **canvas**, or slab. Green Umbrella™ GreenCanvas shrinkage compensating concrete can be specified in the mix design (ACI 223R-10) to ensure that the surface is ideal for a jointless, non-curling floor. For conventional concrete, consult ACI Guide to Design of Slabs on Ground (ACI 302.1R-15) for joint spacing. The specification should separate concrete slabs into 03 30 00 Cast In-Place concrete for slab not designated for polished concrete and 03 3X XX.xx Cast In-Place Concrete Finishing for slab designated for polished concrete. Concrete specification section 03 35 43-Polished Concrete Finishing should then be referenced. Mix design should not exceed slag or fly ash greater than 20 percent, if at all, for polishing and color application issues. Pre-qualification for contractors should be in place. Concrete specifications may require ACI certification. Quality control plan, pre-construction conference and mock-up are all critical. For **concrete to be Abrasively Polished**: Considerations should be given to specifying the following products for an economical & sustainable floor 1) GreenIce IceStart & IceStop cure **during and immediately after** concrete placement & finishing. Green Umbrella Fiberlite™ to reduce plastic cracking and strength, DryShield™ for hardening of concrete and prevention of concrete dusting.

There are five major components to the GUEPC system: the **CANVAS**, the **PROCESS** made up of Ways and Means,

high productivity **EQUIPMENT, TREATMENTS** and finally, qualified flatwork and polishing **CRAFTSMEN**. All of its components follow the *Nine Fundamentals of Green Polishing*. Consulting ACI Guide to Decorative Concrete (ACI 310R-13) can be helpful. The GUEPC system is not simply opening the concrete substrate and applying a polymer sealer. Specify an environmentally responsible mechanical **process** that involves processing the floor wet to avoid silicosis issues for installers themselves and future inhabitants. The process uses a progression of abrasive grits with wet cutting agents like Green Umbrella GreenCut™ on a machine built for a wet concrete process. The use of water enables a higher quality cut to the floor. The wet grinding system has been well supported in the industry for the best approach to clarity and time savings for exposure of aggregate, among other advantages.

Specify **equipment** with the appropriate head pressure and rpm for concrete grinding, honing and polishing. Green Umbrella recommends using equipment with propane and alternative fuels making less of an impact on the environment. This also allows the floors to be processed earlier in the stage of construction when on site electricity may be limited for dry grinding equipment. Specify high-productivity equipment with enough machines on large jobs so as not to adversely effect project timeline and/or other trades. Specify equipment that meets LEED Building Operations and Maintenance (LEED O+M) requirements. Green Umbrella grinders (Green Grinder or Stone Extreme) and edger (Green Umbrella™ Low Profile Edger) process the entire floor, with the same profile within ¼ inch of walls or under shelving. Specify the same matrix of all our cutting abrasives, eliminating the inconsistencies often found on projects when a mix of manufacturer brands are used.

**Hardeners & Densifiers:**

Research shows that most treatments are effective against concrete dusting and for hardening of the surface and are accepted as a standard. Green Umbrella™ concrete treatments are non-sodium and do not generate hazardous waste. The Green Umbrella line of densifiers are not water soluble and do not contribute to alkalisilica reaction. Green Umbrella treatments that are pH neutral they will not resist color introduction or promote “walk off” common with many hardeners. This is why it is important to match the family of treatments to the colorants. Otherwise the specifier may unknowingly specify treatments that do not work well together. Green Umbrella dyes are standard in the industry. Green Umbrella colorants are micro-pigments, and have superior color fastness compared to traditional stains and dyes. FROM DESIGN TO COMPLETION, YOU EXPERIENCE A COMPLETE SYSTEM.

## Environmental Responsibility & LEED Considerations

The GUEPC specified process is specially designed to require less labor and downtime while lowering environmental impact. Green Umbrella DryShield™ is easy to apply and because the application is simple, fewer laborers are required. Green Umbrella DryShield™ has zero VOC's with no impact on indoor air quality.

### Optimize Energy Performance

- Polished concrete allows the advantage of utilizing the thermal mass of concrete in heating and cooling.
- Polished concrete increases light reflectivity, amplifying the benefit of ambient (natural) lighting and reducing process loads from light fixtures.

### Building Reuse/Construction Waste Management/Recycled Content

- Existing Buildings — Environmental stewardship through the reuse of existing floor.
- New or Existing Buildings — Not wasting materials or energy required to produce a floor covering or topical coating.

### VOC/IAQ/Long-term Maintenance

- Polished concrete has zero VOC content
- Many studies indicate that indoor air quality is enhanced with properly maintained hard surfaces vs. carpet
- Polished concrete does not support combustion, nor does it produce smoke or toxic fumes (LEED v4.1 Operations and Maintenance, propane equipment)

### Life Cycle Cost

- Sources show polished concrete to be the lowest life-cost flooring option available

#### Potential LEED Credits

Polished Concrete is a sustainable floor. The intent of the following credits is to rate output efficiency. Polished concrete reduces energy and material waste, thus reducing environmental impact.

#### New Construction, Schools, Core and Shell, Commercial Interior.

Material and Resources - MR Credit 1 & 1.1 Building Reuse

Material and Resources - MR Credit 1.2 Building Reuse

Material and Resources - MR Credit 3 & 3.1 Material Reuse

Material and Resources - MR Credit 4 Recycled Content

Indoor Environmental Quality - IEQ Credit 4.3 Regional Materials



For materials red list and ingredients & hazard information, refer to product label along with the Green Umbrella DryShield(TM) SDS found at [www.greenumbrellasystems.com](http://www.greenumbrellasystems.com)

## Testing



For all independent lab testing contact us at [Info@GreenUmbrellaSystems.com](mailto:Info@GreenUmbrellaSystems.com)

### ASTM D1308

#### CHEMICAL RESISTANCE OF FINISHES

Green Umbrella MaxDefense System™ with DryShield™ CTL double blind test results:

Chemical resistance to JP-8+100 fuel - 0.1 % weight gain

Chemical resistance to 30 wt motor oil - 0.007% weight gain

Chemical resistance to Skydrol 500 B-4 - 0.05% weight gain

### ASTM C779-05

#### STANDARD TEST METHOD FOR ABRASION RESISTANCE OF HORIZONTAL CONCRETE

Green Umbrella MaxDefense System™ with DryShield™ Tested to – ASTM D-1308

Chemical resistance to JP-8+100 fuel - 0.1 % weight gain

Chemical resistance to 30 wt motor oil - 0.007% weight gain

Chemical resistance to Skydrol 500 B-4 - 0.05% weight gain

#### ACI Standard 302.IR-89 Chemical concrete hardeners can be used to increase concrete resistance to chemicals including , but not limited to the following:

Aluminum sulfate	Lead refining solutions, 10%	Potassium carbonate
Ammonium chloride	Lignite oils	Potassium persulfate
Barium hydroxide	Machine oils	Potassium sulfate
Beef fat	Magnesium chloride	Rapeseed oil
Calcium hydroxide	Magnesium sulfate	Sea water
Calcium nitrate	Manure	Silage
Carbon dioxide	Mash, fermenting	Sodium bromide
Carbonic acid	Mercuric chloride	Sodium carbonate
Castor oil	Mercurous chloride	Sodium chloride
Coal-tar oils	Mine water, waste	Sodium dichromate
Cottonseed oil	Mineral oil	Sodium nitrite
Creosote	Molasses	Sodium sulfate 10%
Cresol	Mustard oil	Sodium sulfite, 10%
Distillers slop	Nickel sulfate	Sodium thiosulfate
Ethylene glycol	Oleic acid,	Soybean oil
Ferric chloride	100%Olive oil	Sugar
Ferric sulfate	Paraffin	Sulfate liquor
Ferrous chloride	Phenol, 25%	Tallow and tallow oil
Ferrous sulfate	Phosphoric acid, 85%	Tannic acid
Fish oil	Pickling brine, 10%	Tanning liquor, 10%
Fruit juices	Poppy seed oil	Tobacco
Glucose	Potassium	Walnut oil
Glycerin	Aluminum sulfate, 10%	Zinc chloride
Hydrogen sulfide		Zinc sulfate
Iodine		Zinc nitrate
Lactic acid, 25%		

## Grind Hone & Polishing Equipment

Green Umbrella propane equipment meets LEED v4.1 Operations and Maintenance Guidelines. Green Umbrella uses propane fueled equipment could save the owner as much as 50 cents a square foot in electrical cost for three phase and 220 volt equipment often used by GHP contractors. Propane in itself is not a direct greenhouse gas and is one of the world's most widely used alternative fuels. Electric power adds 80% more CO2 into our atmosphere

than does propane. Propane can be a safe, clean, and efficient fuel.

All Green Umbrella propane equipment should have the following:

CARB and EPA certification - the engines are certified annually and independently by CARB and EPA to meet their strict guidelines for low CO2 emissions.

ESDS (emissions shut down system) – machines are manufactured to incorporate a 3-way catalytic muffler to lower CO2 emissions and an ESDS that monitors the engine for irregularities and automatically shuts the machine down if emissions rise.

#### **GHP Equipment:**

- High Productivity Rider Grinder, Stone Extreme— processes larger areas in less time.
  - o Heavy duty commercial floor grinder/polisher or equivalent.
  - o Minimum 933 pounds head pressure.
  - o 77 inch grinding width.
  - o Minimum 8000 square feet per hour production rate.
- Grinder/Honer/Polisher — grinds, hones, and mechanically polishes floors.
  - o Propane powered, heavy duty commercial floor Green Grinder/Polisher by Green Umbrella.
  - o Minimum 785 pounds head pressure.
  - o CARB/EPA approved.
  - o 30 inch grinding width.
  - o 12 diamond, counter clockwise planetary rotation
  - o Minimum 800 square feet per hour production rate.
  - o Provide minimum of two units on site.
- Edger — processes floors within a ¼ inch of wall.
  - o Propane powered Green Edger by Green Umbrella or Productions Team
  - o Minimum 165 pounds head pressure.
  - o CARB/EPA approved.
  - o 1/4 inch cut to wall.
  - o Four diamond head, 640 RPM diamond rotation.
  - o Provide minimum of two units on site.
- Burnisher — removes un-reacted material and gives high gloss shine.
  - o Propane powered, high productivity by Green Umbrella, Pioneer Eclipse or Eagle
  - o CARB/EPA approved.

- o 27 or 39 inch burnishing width.

- o Head Pressured

- o Minimum 2000 RPM.

- Auto Scrubber — cleans between abrasive steps to prevent contamination.

Important: not all floor scrubbers are effective in slurry recovery.

- o Auto scrubber similar to Tomcat or Nilfisk-Advance with easy concrete clean out.

- o Minimum 500 pound head pressure.

- o Water application and minimum 30 gallon recovery tank.

#### **Abrasives for GHP Equipment**

- Abrasives — cut concrete substrate in a sequence of steps.
  - o Stock removal abrasives, grinding, honing and polishing abrasives, hybrid bond abrasives by Green Umbrella.
  - o Match hardness of abrasives to hardness of concrete.

#### **Prep. Equipment**

For conventional concrete floors or vertical concrete:

- Power Washer on low psi
- Industrial Water Broom — cleans and removes dirt buildup before product application.
  - o Heavy duty industrial water broom by WaterMiser Broom or equivalent.
  - o Up to 180 PSI of water.

#### **Application Equipment**

- Hand-Pump Sprayer Applicator — used to apply product evenly and consistently.
  - o By Green Umbrella, Patriot Sprayers, or equivalent.
  - o Maximum tip pressure 40 psi.
- T-bar with blended applicator — evenly distributes product sprayed on concrete substrate.

#### **END Note to Specifier**



All products can be seen at [GreenUmbrellaSystems.com](http://GreenUmbrellaSystems.com)

## Product Placement

#### **New Conventional Concrete:**

Green Umbrella DryShield™ can be applied the same day of pour after concrete placement and finishing, once the concrete is hard for walking. Or later on in the construction process.

#### **New Concrete to be Abrasively Polished:**

Apply Green Umbrella DryShield™ after the last wet cut. This is traditionally after the last metal cut or the first honing cut. This changes according to the application of colorants and surface specified. \*

**Existing Concrete:**

Green Umbrella DryShield™ can be placed on existing concrete at anytime. But should be thoroughly cleaned and swept of all debris and potential contaminants—including sealers, wax, coatings and oil or food spills—prior to concrete processing. Green Umbrella Dry Shield™ is used neat and does not require any dilution or mixing.

**Existing Concrete to be Abrasively Polished:**

Green Umbrella DryShield™ can be placed after the last wet cut. It is recommend after the first honing cut.

\*Note: Specify 1) GreenIce IceStart and IceStop concrete cure **during and immediately after** concrete placement & finishing. This eliminates the need for wet cure and film forming cure. Additionally, for a much superior & sustainable slab consider 2) use of GreenCanvas, shrinkage compensating concrete to reduce curling/joint placement and 3) use of GU Fiberlite™ to reduce plastic cracking and promote strength.

## Product Application

**New Conventional Concrete:**

1. Apply Green Umbrella DryShield™ with a GU recommended sprayer and/or solution spreader evenly on surface at a rate of 400-700 sf per gallon. (78 degrees @ 50% humidity. Note time, temperature & humidity below.) Simply keeping substrate wet for dwell time of 30 minutes for full reaction.
2. If desired, distribute product with a clean exploded-tip bristle broom to ensure uniform coverage. No need for agitation.
3. Allow product to stay wet 30 minutes.
4. Allow product to air dry. Green Umbrella DryShield™ will not gel on surface and does not require rinsing.
5. If unreacted material would exist, simply remove with a broom after product has completely dried

Note: Though additional benefit could be had, it is not intended to apply Green Umbrella DryShield™ in addition to IceStart™ (cure) and IceStop™ (fixative). Green Umbrella DryShield™ should not be used in place of either of these products.

**Existing Conventional Concrete:**

1. Apply Green Umbrella DryShield™ with a GU recommended sprayer and/or solution spreader evenly on surface at a rate of 400-700 sf per gallon. (78 degrees @ 50% humidity. Note time, temperature & humidity below.) Simply keeping substrate wet for dwell time of 30 minutes for full reaction.
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Note: Though additional benefit could be had, it is not intended to apply Green Umbrella DryShield™ in addition to IceStart™ (cure) and IceStop™ (fixative). Green Umbrella DryShield™ should not be used in place of either of these products.

**Existing Concrete to be abrasively polished (GHP) Concrete Floor**

1. It is best to densify with Green Umbrella DryShield™ after the first honing cut.
2. Remove standing water, if necessary.
3. Color application. Important: Not all colorants are introduced to the slab at same time and in the same way. Check colorant application instructions. Green Umbrella ColorFlash™ & Green Umbrella NanoDye™ colorants should be applied before proceeding to the next step.
4. Apply Green Umbrella DryShield™ with a GU recommended sprayer and/or solution spreader at a rate of 400-700 sf per gallon.
5. If desired, distribute product with an exploded-tip bristle broom to ensure uniform coverage. No need for agitation.
6. Allow product to stay wet 30 minutes.
7. Allow product to air dry. Green Umbrella DryShield™ will not gel on surface and does not require rinsing.
8. Auto-scrub floor to remove any unreacted material after product has dried. Or sweep off unreacted material.
9. Proceed to next abrasive step.

Note: If a concrete slab is abrasively opened Green Umbrella DryShield™ should be applied even when IceStart™ and IceStop™ were used during placement.

## Time, Temperature & Humidity

For a chemical reaction to take place successfully, time must be allocated for reactants to fully react. Likewise, when applying Green Umbrella DryShield™ to concrete, there must be adequate amount of dwell time for the reaction to take place. Doing so will help to achieve the best result. For Green Umbrella DryShield™ to effectively penetrate the substrate, the temperature should not be less than 35° F. If temperatures are lower than are recommended, the treatment may take much longer to react and penetrate the concrete substrate. If the temperature exceeds the recommended maximum 95° F, or if conditions are windy, the chemistry could react and dry before penetrating the substrate. In such circumstances, keep floors hydrated with water for recommended dwell

time. Humidity also plays a role in the dry time. Product applied to a dry slab of concrete in an arid climate will dry faster than in a humid climate. In dry climates with low humidity it may be necessary to hydrate the slab in order to allow for proper dwell time. Please consult a Green Umbrella representative if you have any questions.

**For Best Results - Existing Concrete:**

Light foot traffic when dry or after 1 hour. Wheeled traffic and grinding after 3 hours.

## Maintenance

**IMPORTANT:**

Only use a Green Umbrella pH neutral cleaner - Green Umbrella Green-Clean & Degreaser, Green Umbrella DeepClean +Slip Resist - or other cleaner endorsed by Green Umbrella in writing. These products are pH neutral without additives that could harm the concrete and colorants in the concrete.

**Conventional Concrete Floors**

- Regularly sweep away debris
- Regularly use a water broom or auto-scrub to remove dirt build up from treated concrete surfaces

**GHP Concrete Floors**

- Regularly sweep away debris
- Regularly auto-scrub or mop with water or with a Green Umbrella pH neutral cleaner
- Use Green Umbrella Green Clean and Degreaser as needed
- Periodically burnish with a weighted, high speed propane burnisher using Green Umbrella black pad to remove dirt build up and restore gloss



**Facility Maintenance Schedule and Training:**  
[www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com)

## Warranty & Limitations

For a period of ten (10) years beginning the date on which the concrete surface described is treated with Green Umbrella products, Green Umbrella Companies (GU) warrants to the owner that after the specified completed installation, the treated surface will remain water resistant, dust proof, hardened, and abrasion resistant. In the event the surface fails to perform, GU will at its own expense and its own discretion, supply either sufficient product(s) to repair any such failure, or provide materials cost reimbursement. A GU manufacturer's representative must be on site to supervise installation.

It is the responsibility of the contractor to follow all directions and requirements as outlined in the Green Umbrella installation specifications. A completed Job Survey form or equivalent document outlining the steps and products used in the process must accompany this warranty request. Green Umbrella Companies (GU) solely and expressly warrants that its products shall be free from defects in materials and workmanship for six months from the date of purchase. Unless authorized in writing by an officer of GU, no other representations or statements made by GU or its representatives, in writing or orally, shall alter this warranty. GU MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. Green Umbrella PRODUCT APPLIED TO SUBSTANDARD CONCRETE IS EXCLUDED FROM ANY KIND OF WARRANTY. If any Green Umbrella product fails to conform to this warranty, GU will replace Green Umbrella product at no cost to the Buyer. Replacement of any Green Umbrella product shall be the sole and exclusive remedy available and the buyer shall have no claim for incidental or consequential damages. Any installation of Green Umbrella products that fail to conform to such installation information and instructions shall void this warranty. Product demonstrations, if any are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be responsible for determining suitability of Green Umbrella products for the Buyer's intended purposes.

**For Professional Use Only.**