

## SUBSURFACE / PENETRATING-REACTIVE / REPAIRABLE ENHANCEMENT

### GREEN UMBRELLA® INTERIOR MICROFILM

#### @EarlyAge Conventional Concrete (28 Days Or Earlier):

For sealers better suited to @EarlyAge concrete that is hard trowel or broom finished see Green Umbrella IceCap™, Exterior MicroFilm™ or ColorShield™. (For certified installers and manufacturer instructions visit [www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com))

#### @EarlyAge Concrete To Be Abrasively Trowel Polished (PHP):

Interior MicroFilm™ by Green Umbrella® of Rochester, NY (844) 200-7336 is a R.T.U. (Ready to Use), S.O.L.O. (Spray-On, Leave-On), Sub-Surface Penetrating, Completely Reactive, Contaminant Resistant, Insoluble, Nano-Protectant solution to strengthen, seal, and protect the concrete surface and subsurface. Clean and sweep all debris and potential contaminants—including sealers, wax, coatings, and oil or food spills—before application. For a profiled, honed, and polished (PHP) concrete floor @EarlyAge - place and finish using GreenIce™ integral trowel cure. Place on @EarlyAge™ concrete as specified in the construction process by Green Umbrella. As soon as 72 hours after placement, process using a variable speed, planetary grinding machine (propane power preferred) to remove existing coatings, surface imperfections, profiling and flattening the concrete slab. 1) Wet profile with GC™ abrasives and GreenCut™ liquid cutting agent. 2) Wet hone with GCFusion™ or GCErasers™ to produce necessary surface profile. 3) Optional for MaxDefense with Color: Apply Green Umbrella Nano-Dye™ as colorant 4) Apply DryShield™ in temperatures 40°F (4°C) [and rising] up to 95°F (35°C) at 400-800 SF per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry. 5) Auto scrub using soft bristle brushes, green or red pads to remove any excess material or potential contaminants. 6) Apply Shield & Enhance™ in temperatures 40°F (4°C) [and rising] up to 95°F (35°C) at 400-800 SF per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry. 7) Polish to desired finish with GCPolish-Plus™ abrasives. 8) Auto scrub using soft bristle brushes, green or red pads and a recommended Green Umbrella cleaning treatment to remove all potential contaminants. 9) Apply Green Umbrella Interior MicroFilm™ - a penetrating, reactive, interior, micro-finish for profiled surfaces - at a rate of 1500-2500 SF per gallon, first coat. Allow to air dry. 10) Apply a second coat. Allow to air dry. 11) Burnish with GreenGloss™ concrete-weighted, high-speed burnisher equipped with GreenGloss™ pads. 12) For MaxDefense - return 48 hours+ after second coat, clean and apply a THIRD coat of Interior MicroFilm™. Allow to air dry. Burnish. For certified installers and manufacturer instructions, visit [www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com)

#### @MatureAge Conventional Concrete (28 days or earlier):

For sealers better suited to @MatureAge concrete that is hard trowel or broom finished see Green Umbrella IceCap™, Exterior MicroFilm™ or ColorShield™. (For certified installers and manufacturer instructions visit [www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com))

#### @MatureAge Conventional Concrete To Be Abrasively Polished:

Interior MicroFilm™ by Green Umbrella® of Rochester, NY (844) 200-7336 is a R.T.U. (Ready to Use), S.O.L.O. (Spray-On, Leave-On), Sub-Surface Penetrating, Completely Reactive, Contaminant Resistant, Insoluble, Nano-Protectant solution to strengthen, seal, and protect the concrete surface and subsurface. Clean and sweep all debris and potential contaminants—including sealers, wax, coatings, and oil or food spills—before application. For a profiled, honed, and polished (PHP) concrete floor place on @MatureAge™ concrete as specified in the construction process by Green Umbrella. Process using a variable speed, planetary grinding machine (propane power preferred) to remove existing coatings, surface imperfections, profiling and flattening the concrete slab. 1) Wet profile with GC™ abrasives and GreenCut™ liquid cutting agent. 2) Wet hone with GCFusion™ or GCErasers™ to produce necessary surface profile. 3) Optional for MaxDefense with Color: Apply Green Umbrella Nano-Dye™ as colorant 4) Apply DryShield™ in temperatures 40°F (4°C) [and rising] up to 95°F (35°C) at 400-800 SF per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry. 5) Auto scrub using soft bristle brushes, green or red pads to remove any excess material or potential contaminants. 6) Apply Shield & Enhance™ in temperatures 40°F (4°C) [and rising] up to 95°F (35°C) at 400-800 SF per gallon. Keep wet for a dwell time of 30 minutes. Allow to air dry. 7) Polish to desired finish with GCPolishPlus™ abrasives. 8) Auto scrub using soft bristle brushes, green or red pads and a recommended Green Umbrella cleaning treatment to remove all potential contaminants. 9) Apply Green Umbrella Interior MicroFilm™ - a penetrating, reactive, interior, micro-finish for profiled surfaces - at a rate of 1500-2500 SF per gallon, first coat. Allow to air dry. 10) Apply a

PRODUCT  
SPECIFICATION



GREEN UMBRELLA®  
FULLSPEC

second coat. Allow to air dry. 11) Burnish with GreenGloss™ concrete-weighted, high-speed burnisher equipped with GreenGloss™ pads. 12) For MaxDefense - return 48 hours+ after second coat, clean and apply a THIRD coat of Interior MicroFilm™. Allow to air dry. Burnish. For certified installers and manufacturer instructions, visit [www.GreenUmbrellaSystems.com](http://www.GreenUmbrellaSystems.com)



## WHAT DOES THAT MEAN?

GREENUMBRELLA®

## CONCRETE GLOSSARY

### *Concrete Guides and TechNotes for Design Professionals*

*ACI (American Concrete Institute) Guides are written by members of a committee from all facets of the industry and with different perspectives and conclude recommendations for analysis, design, specifying, selection, evaluation, testing, construction, or repair of concrete materials or structures. TechNotes are narrowly focused, single-topic guides, usually practice-oriented. A TechNote presents a specific direction on a particular issue and may contain pictures, figures, tables, and numeric examples. Many of the most beneficial are on the GreenUmbrella website in the footer menu **Technical Notes** or **Concrete Guides** to help you make the "The Complex Simple" for design to completion.*



# ***"GIVING YOU THE DIRECTION YOU NEED."***

**INITIATIVE**

**INSIGHT**

**SPECIFICATION**

"Green Umbrella starts by CONSULTANTS showing initiative. Design professionals, owners, and contractors need someone who is willing to take the initiative in connecting you with the solutions for sustainable concrete. We freely share industrial insight by investing in our industry with Continued Education Presentations created for the design professionals, general contractors, and craftsmen. We can assist you in understanding past project failures, helping you build your specifications for future success. With all the products needed on a project, it is essential to have someone "Giving the Direction you Need ".