

DEEP SUBSURFACE / WATER RESISTANT DENSIFIER/ HIGHLY ABRASION RESISTANT

GREEN UMBRELLA® HYDROSHIELD

EarlyAge Conventional Concrete (28 days or earlier):

HydroShield™ 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), hydrophobic, pH neutral, reactive, amorphous silica solution to strengthen, seal and densify the concrete surface. It may be placed on @EarlyAge concrete, the same day of concrete placement and finishing; once the concrete is hard enough for walking or as specified in the construction process. HydroShield is NOT a cure & seal. Apply between 40-95°F (4-35°C) at 400-500 SF per gallon @EarlyAge concrete. Keep wet for a dwell time of 30 minutes. Allow to air dry. (For certified installers and manufacturer instructions visit www.GreenUmbrellaSystems.com)

EarlyAge Concrete To Be Abrasively Trowel Polished:

A honed and polished concrete floor, processed using a power trowel machine adapted for concrete polishing. The GreenIce Cure & Profile System™ by Green Umbrella® of Rochester, NY Contact (844) 200-7336 consists of the following concrete treatments RTU (Ready to Use), S. O. L. O. (Spray-On-Leave-On) applied between 40-95 °F (4-35°C) at 400-500 SF per gallon: 1) Use IceStart™ cure and IceStop™ fixative during and immediately after concrete placement & finishing 3) Apply GreenCut™ cutting agent. Wet profile and hone with GC™ abrasives. 2) Apply Green Umbrella NanoDye™ for colorant and/or HydroShield™ after the last wet hone cut — of an abrasively finished floor to strengthen, seal and densify concrete surface. Keep wet for a dwell time of 30 minutes. Allow to air dry. Hone and polish to desired finish with GC™ abrasives. 3) Apply Green Umbrella Microfilm™ - a penetrating, reactive, interior micro-finish for profiled surfaces at a rate of 1000-1200 SF per gallon. 4) Burnish with GreenGloss™ concrete-weighted high-speed burnisher using GreenGloss™ pads. (For certified installers and manufacturer instructions, visit www.GreenUmbrellaSystems.com)

MatureAge Conventional Concrete(28 days or earlier):

HydroShield™ 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) hydrophobic, pH neutral, reactive amorphous silica solution to strengthen, seal and densify the concrete surface. Clean and swept all debris and potential contaminants—including sealers, wax, coatings, and oil or food spills—before processing. Apply between 40-95°F (4-35°C) at 400-500 SF per gallon on MatureAge concrete. Keep wet for a dwell time of 30 minutes. Allow to air dry. (For certified installers and manufacturer instructions, visit www.GreenUmbrellaSystems.com)

MatureAge Conventional Concrete To Be Abrasively Polished:

A profiled, honed, and polished (PHP) concrete floor processed using a variable abrasive, planetary grinding machine to remove existing coatings, surface imperfections, and flattening concrete floors. The BaseDefense™ System by Green Umbrella® of Rochester, NY(844) 200-7336 consists of the following products applied at temperatures between 40-95°F (4-35°C) at a rate of 400-500 SF per gallon: 1) Apply GreenCut™ cutting agent. Wet profile and hone GC™ abrasives.



2) Apply Green Umbrella NanoDye™ for colorant and/or HydroShield™ after the last wet hone cut of an abrasively finished floor to strengthen, seal and densify concrete surface. Keep wet for a dwell time of 30 minutes. Allow to air dry. Hone and polish to the desired finish with GC™ abrasives. 3) Apply Green Umbrella Microfilm™, a penetrating reactive interior micro-finish for profiled surfaces at a rate of 1000-1200 SF per gallon 4) Burnish with GreenGloss™ concrete-weighted high-speed burnisher using GreenGloss™ pads. (For certified installers and manufacturer instructions visit 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 ".