

APPLICATION SHEET

DEEP SUBSURFACE / PH NEUTRAL DENSIFIER / HIGHLY ABRASION RESISTANT

GREEN UMBRELLA® DRYSHIELD

Application Ratio:

400-600 SF per gal.

Application Ratio

w/**GreenCut™**:

500-700 SF per gal.

Dwell Time: 30 min.

Dry Time:

30-60 min. @75F & 50% RH to foot traffic, 3 hours to wheel traffic

IMPORTANT:

Read Technical Data Sheet and SDS prior to application. Follow all directions, including safety information. Installer education, training and appropriate handling is necessary for product success. Due to the variety of concrete, the applicator must test the product for compatibility prior to full application.



Indoor



Outdoor



Sprayer



Broom



T-Bar



Autoscrubber



Burnisher



Grinder

Surface Preparation

@*EarlyAge™*, @*MatureAge™*, or @*Profile&Polish™* concrete should be free of all debris and potential contaminants—including film-forming cure and seal, wax, topical coatings or sealers and oil or food spills—prior to application.

Environmental Conditions

For Green Umbrella® DryShield™ to effectively penetrate the substrate, the temperature should be 40 °F and rising, not exceeding 90° F. For windy conditions or temperatures exceeding 95 °F (35 °C) on @*EarlyAge* Next-Day & @*MatureAge* concrete: Hydrate for 30-60 minutes in the most arid conditions, disperse any puddles, then immediately apply DryShield at 400 SF per gallon, more if needed. If necessary, mist the slab with sufficient water at 20 minutes to achieve the required 30 minutes of wet surface dwell time. Allow to dry.

@*EarlyAge* Concrete (28 days or earlier) & @*MatureAge* Concrete (28 days or later):

1. Green Umbrella DryShield is R.T.U.² and should be applied S.O.L.O.¹ to a clean surface with a dedicated GU recommended (non-metal) sprayer evenly on the surface at a rate of 400-500 SF per gallon.
2. **Do Not Broom @*EarlyAge* concrete prior to the 3rd day.** If necessary to distribute next-day treatment, use a GU T-Bar with a clean pad to ensure uniform coverage, or disperse puddles — no need for agitation.
3. Keep substrate wet, adding more product as needed, for a dwell time of 30 minutes for full reaction.
4. Allow product to air dry. If the product is not dry within two hours, blowers or fans may be used to reduce dry-time, even pointed directly onto slab.

5. If unreacted material would exist, remove it with a broom after the product has completely dried

@*EarlyAge* & @*MatureAge* Concrete To Be Abrasively Polished:

When desiring an @*EarlyAge* profile, use Green Umbrella GreenIce Cure System™ during and immediately after concrete placement & finishing, proceed with abrasive hone and polish process a few days after the pour.

1. Profile or Hone to achieve a specified or desired class of grind with GreenCut™ cutting agent and GC™ abrasives. Trowel or Variable Abrasive Concrete Grinder could be used. Consult IceStart™ and IceStop™ TDS for details.
2. Double-scrub with an auto-scrubber equipped with GU recommended pads/brushes.

@EarlyAge & @MatureAge Concrete To Be Abrasively Polished: (continued)

3. When colorants are used, floor must be in the dry, protected from the elements such as standing water. Green Umbrella NanoDye™ indoor colorants must be applied before proceeding to the next step. Dye application using acetone as a carrier is recommended.
4. DryShield is R.T.U.² and should be applied S.O.L.O.¹ to a clean surface with a dedicated GU recommended (non-metal) sprayer evenly on the surface at a rate of 400-500 SF per gallon. No need for agitation.
5. If necessary to break the surface tension, distribute treatment with a new, clean, GU T-Bar to ensure uniform coverage. Keep substrate wet, allowing for a dwell time of 30 minutes for full reaction.
6. Allow product to air dry. For abrasive polishing allow several hours before next step. If the product is not dry within two hours, blowers or fans may be used to reduce dry-time, even pointed directly onto slab.
7. Double-scrub with an auto-scrubber equipped with GU recommended pads/brushes. Proceed to honing abrasive cut. (This is required if a sub-topical or penetrating surface treatment is applied for DryShield to bond properly.)
10. Proceed to polish abrasive cut, if specified.
11. Apply surface treatment such as Green Umbrella Microfilm™ according to instructions.

¹Spray-On, Leave-On ²Ready-To-Use

TIME, TEMPERATURE & HUMIDITY

For a chemical reaction to take place successfully, time must be allocated for the full reaction. Likewise, when applying Green Umbrella DryShield to concrete, there must be an adequate amount of dwell time for the reaction to take place. Doing so will help to achieve the best result.

Humidity also plays a role in the dry time. The product applied to a dry slab of concrete in an arid climate will dry faster than in a humid environment. In dry climates with low humidity, it may be necessary to hydrate the slab to allow for proper dwell time. If several treatments are being applied, product staging should be planned to meet all treatment **dwell times** and **dry times**. It is recommended to use **dew point data** from a mobile hygrometer to determine the best staging of concrete treatments to eliminate needless downtime. The use of on-site hygrometers and thermometers can provide meaningful data to facilitate treatment application success. *Call or Message your Green Umbrella consultant for assistance.*