

# APPLICATION SHEET

## SUBSURFACE / PENETRATING-REACTIVE / REPAIRABLE ENHANCEMENT

### GREEN UMBRELLA® INTERIOR MICROFILM



Indoor

#### Application Ratio:

1st coat 800-1,500 SF per gal.

2nd & 3rd coats 1,500-2,000 SF per gal.

#### Dwell Time:

20-30 min.

#### Drying Time:

30-60 min. @75 F, 50% RH to foot traffic.

Burnish before opening to wheel traffic.

#### IMPORTANT:

Read Technical Data Sheet and SDS prior to application. Follow all directions, including safety information. Installer education, training and appropriate use is necessary for product success. Concrete porosity may vary, applicator should test for compatibility prior to full application.



Dust Mop



Mop



Autoscrubber



Sprayer



T-Bar



Burnisher

#### Surface Preparation

Interior MicroFilm™ is a subsurface micro-finish protection and maintenance treatment. @Profile&Polish™ concrete must be free of sealers, wax or other foreign products. Prior to introducing to any sound concrete surface, remove loose debris or contaminants by vacuuming, sweeping, auto scrubbing and/or mopping the surface.

#### Environmental Conditions

For Green Umbrella Interior MicroFilm™ to effectively penetrate the substrate, the temperature should be 40 F and rising. Be aware of potential rapid evaporation in high temperatures. Interior MicroFilm™ is 100% reactive, non-hazardous (<50 g/L VOC) and will NOT require special disposal.

#### @Profile&Polish™

When applying Green Umbrella Interior MicroFilm™ to @Profile&Polish™ concrete at any age - @EarlyAge™ or @MatureAge™, any phase of construction, or as a part of regular maintenance; ensure the final surface will be free of standing water for at least 72 hours after application. Prior to application, mechanically refine the substrate using a wet or dry profile and hone process at a minimum.

1. Dust Mop using a clean, untreated head to remove any potential surface contaminants.
2. Green Umbrella Interior MicroFilm™ is R.T.U. and should be applied S.O.L.O. to a clean surface using a GU recommended, dedicated, non-metal sprayer evenly on the surface.
3. **Application Ratio:** 800-1500 SF per gallon. Yield estimated with use of GreenCut™ and will vary depending on the concrete surface.
4. Plan application to maintain a wet edge and work toward an exit. Spray onto concrete and applicator using a weighted T-Bar with a clean pad, distribute the treatment evenly to ensure uniform coverage. Do not allow to puddle excessively. Do not re-apply to fast drying areas. Work toward the exit. Do not walk over the freshly placed, wet surface.

# TIME, TEMPERATURE & HUMIDITY

For a chemical reaction to take place successfully, time must be allocated for the full reaction. Likewise, when applying Green Umbrella Interior MicroFilm™ 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.**

5. **T-Bar Note:** Change applicator pads frequently to prevent surface contaminant buildup which may affect final finish. Clean used T-Bar pads using clean water for re-use.

6. **Overspray:** Immediately wipe with a wet cloth and follow with a dry cloth to remove treatment from finishes or furniture after contact.

7. **Dwell Time:** 20-30 minutes wet finish for full reaction. Product will not gel or require rinsing.

8. **Dry Time:** 30-60 minutes. Allow product to air dry. If the product is not dry within 2 hours, the use of indirect airflow may reduce dry time. Environmental controls will facilitate consistent dry times.

9. After initial application is dry, repeat steps 1-4. A second application.

10. Once the 2nd coat is dry, Burnish using a concrete weighted, UHS (Ultra-High Speed), propane powered, burnisher equipped with a GreenGloss™ thick black pad.

11. For MaxDefense - Following the second application and burnish, return after 48 hours and apply a *THIRD* application of Interior Micro-Film™. Burnish using a concrete weighted, UHS (Ultra-High Speed), propane powered, burnisher equipped with a GreenGloss™ thick black pad.