

APPLICATION SHEET

TOPICAL / PENETRATING-REACTIVE / WET-GLOSS

GREEN UMBRELLA® EXTERIOR MICROFILM

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. @75F & 50% RH to foot

traffic, Burnish before opening to wheel traffic.

IMPORTANT:

Read Technical Data Sheet and SDS before application. Follow all directions, including safety information. Installer education, training, and appropriate use are necessary for product success. Concrete porosity may vary. The applicator should test for compatibility before the complete application.



Indoor



Outdoor



Sprayer



Broom



Autoscrubber



T-Bar



Burnisher



Grinder

Surface Preparation

Exterior MicroFilm™ is designed to seal and protect decorative surfaces with an intense wet gloss finish that preserves integral and pigmented colors. As a stain-guard, it is resistant to graffiti, oils, and other harmful surface contaminants. Before introducing it onto any sound concrete surface, remove loose debris or contaminants by vacuuming, sweeping, auto scrubbing, or mopping the surface.

Environmental Conditions

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

When applying Green Umbrella® Exterior MicroFilm™ to @Profile&Polish™ concrete @EarlyAge™ or @MatureAge™, during any phase of construction, or as a part of regular maintenance, ensure the surface will be free of standing water for at least 72 hours after application. Before application, mechanically refine the substrate using a wet or dry profile and hone process at a minimum. Exterior Microfilm is not intended to be applied @EarlyAge. For applications @profile&polish use Interior Microfilm or IceCap.

@MatureAge Concrete

1. Sweep using a clean broom to remove any potential surface contaminants. Use a hose or power washer and deeply clean as necessary.
2. Green Umbrella® Exterior MicroFilm™ is R.T.U.™ (Ready-to-Use) and should be applied S.O.L.O.™ (Spray-On, Leave-On) to a clean surface using a GU-recommended, dedicated, non-metal sprayer evenly on the surface.
3. Application Ratio: 800 to 1,500 SF per gallon. Yield estimates will vary depending on the concrete surface.
4. Plan application to maintain a wet edge and work toward an exit. For smooth surfaces, spray onto concrete and apply using a weighted T-bar. With a clean pad, distribute the treatment evenly to ensure uniform coverage. Use exploded tip broom on rough concrete or broom finish. Do not allow to puddle excessively. Do not reapply to fast-drying areas. Work toward the exit. Do not walk over the freshly placed, wet surface.
5. T-Bar Note: Change applicator pads frequently to prevent surface contami-

TIME, TEMPERATURE & HUMIDITY

For a chemical reaction to take place successfully, time must be allocated for the full reaction. Likewise, when applying Green Umbrella® Exterior MicroFilm™ to concrete, there must be adequate dwell time for the reaction to occur. Doing so will help to achieve the best result.

Humidity also plays a role in dry time. The product applied to a dry slab of concrete in an arid climate will dry faster than in a humid environment. It may be necessary to hydrate the slab in dry climates with low humidity 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**. Using **dew point** data from a mobile hygrometer is recommended to determine the best staging of concrete treatments to eliminate needless downtime. Using on-site hygrometers and thermometers can provide meaningful data to facilitate treatment application success. *Call or message your Green Umbrella consultant for assistance.*

nant buildup, which may affect the final finish. Clean used T-bar pads using clean water for reuse.

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. The product will not gel or require rinsing.

8. Dry Time: 30-60 minutes. Allow the product to air dry. Indirect airflow may reduce dry time if the product is not dry within 2 hours. Environmental controls will facilitate consistent dry times.

9. After the initial application is dry, repeat steps 1-4 for a second application.

@EarlyAge Concrete 28 days or earlier

@MatureAge Concrete 28 days or later

¹Spray-On, Leave-On ²Ready-To-Use