

APPLICATION SHEET

SUBSURFACE / WATER RESISTANT HARDENER/ SALT RESISTANT SEALER

GREEN UMBRELLA® SHIELD & PROTECT

Application Ratio:

250-800 SF per gal.

Dwell Time:

20 min.

Drying 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. Respect Time, Temperature & Humidity.



Indoor



Outdoor



Sprayer



Broom



Autoscrubber



T-Bar

Surface Preparation

@EarlyAge™ and @MatureAge™ 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. Surface should be autoscrubbed with Green Umbrella GreenClean & Maintain or DeepClean w/ Slip Resist and dust mopped with a clean, untreated dust mop.

Environmental Conditions

For Green Umbrella® Shield & Protect™ 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: Exercise caution. It is not recommended to apply Shield & Protect in high wind conditions.

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

If @EarlyAge Concrete was NOT installed using GreenICE Cure, Shield & Protect can be installed at 7 days on open, unsealed concrete. If GreenICE Cure System was used, autoscrub the substrate and apply Shield & Protect to the clean, dry surface as soon as 72 hours after place and finish.

1. Green Umbrella Shield & Protect is R.T.U. and should be placed S.O.L.O. to a clean, dry surface using a dedicated GU recommended, non-metal sprayer, and T-Bar applied evenly on the surface at rate of 250-800 SF per gallon depending on porosity.

2. Do Not Broom @EarlyAge concrete prior to the 3rd day. To distribute treatment, use a GU T-Bar with a clean pad to ensure uniform coverage — no need for agitation.

3. Keep substrate wet, placing and applying Shield & Protect with a dwell time of 20-30 minutes, for full saturation.

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.

TIME, TEMPERATURE & HUMIDITY

For a chemical reaction to take place successfully, time must be allocated for the full reaction. When applying Green Umbrella Shield & Protect to concrete, the installer must allow adequate 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. Product applied to a dry concrete surface 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 pre or post application 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 course of action and to eliminate needless downtime. Please consult a Green Umbrella consultant with any questions. The use of on-site hygrometers and thermometers can provide meaningful data to facilitate treatment application success. **Call, e-mail or text your Green Umbrella consultant for assistance.**

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