



treatment systems

# MAXDEFENSE



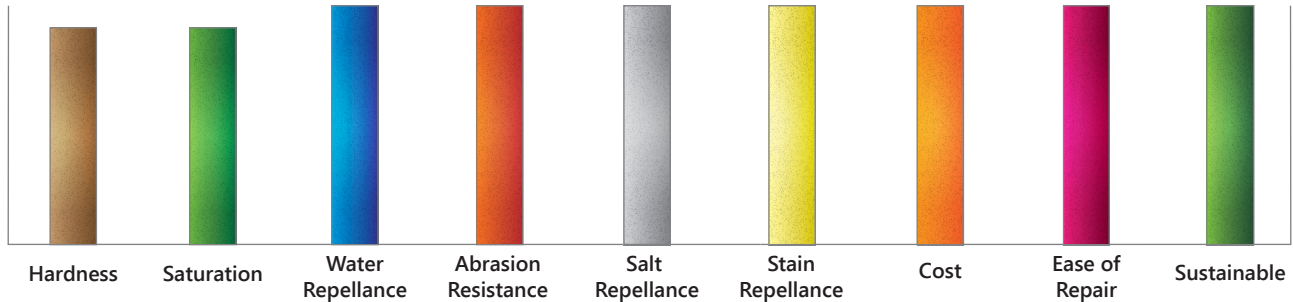
High Gloss

Semi-Gloss

Grind  
Hone  
Polish

Indoor

A good team is a team whose strengths complement one another, a good team plays well together. It is important that chemistry applied to concrete follows the same principle. Concrete treatments that complement one another; coupled with the proper mechanically ground, honed, and polished floor can create a winning combination for your polished concrete needs. **The Green Umbrella Max Defense Treatment System™** is made up of three key players: **Green Umbrella Dry Shield™** has one of the highest abrasion resistance levels on the market. **Green Umbrella Shield & Enhance™** has a superior chloride screen. To finish off the lineup **Green Umbrella Microfilm™** offers a repairable surface layer making **Green Umbrella Max Defense Treatment System™** a team that has you covered.



Reference – ASTM D-1308

Testing was completed on 1 cubic inch concrete samples that had been treated with a three-part protocol using Dry Shield, Shield and Enhance and Microfilm (or RTU Microfilm). Each cube was completely immersed in the respective chemicals for 48 hours. No visually perceptible changes occurred in any sample surface texture or appearance (color). Chemical Resistance to:

JP-8+100 fuel	●	0.1%	weight gain
30wt Motor Oil	●	0.007%	weight gain
Skydrol 500 B-4	●	0.05%	weight gain

Compatible with



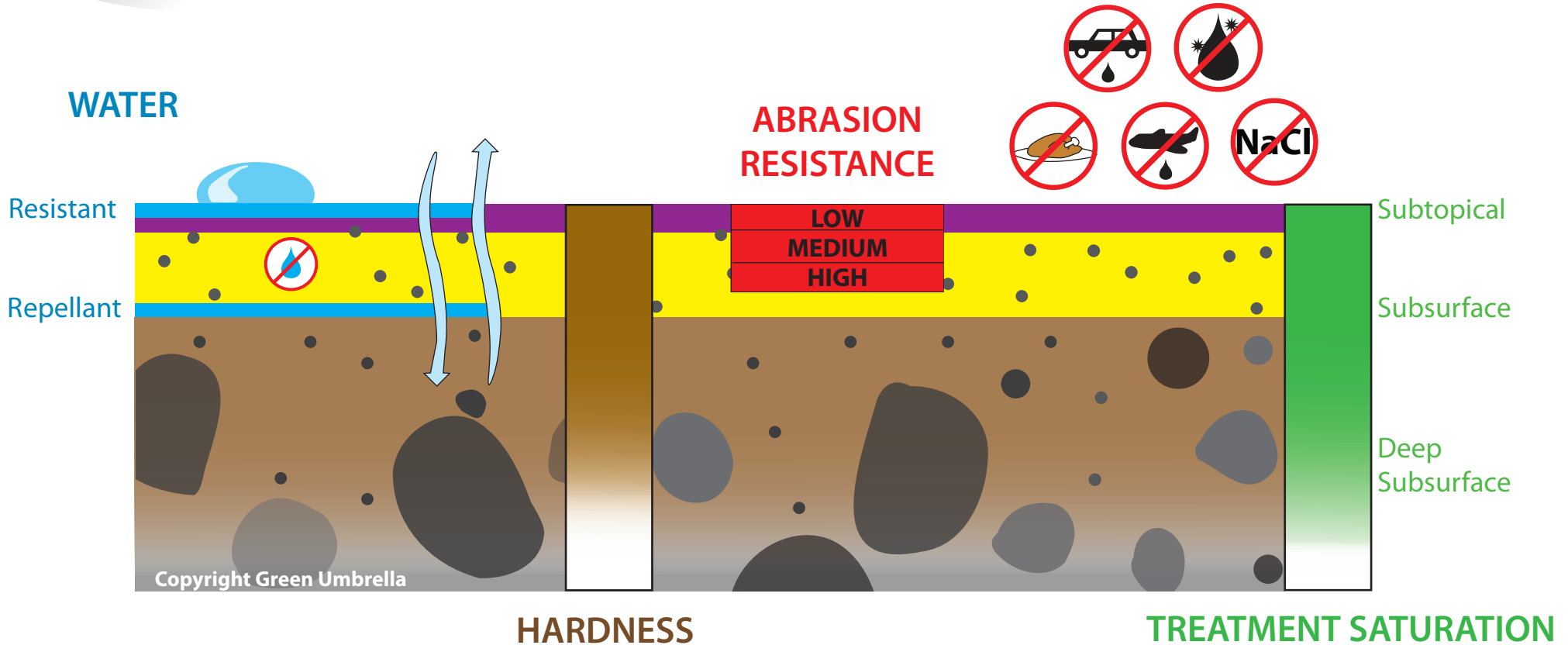
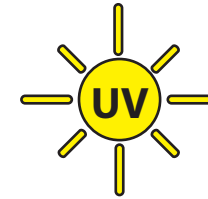


DryShield Shield & Enhance Microfilm



GREEN UMBRELLA™

# SUBSTRATE INDEX





treatment systems

# MAXDEFENSE




**HARDENER:**  
**DRY SHIELD**

**GRIND  
HONE**



The first line of defense is Green Umbrella Dry Shield™. Increases hardness, while reducing porosity. Requires no rinsing & disposal and will not gel on surface — can be allowed to air dry. Stands up to heavy abrasion and foot traffic while providing excellent slip resistance. Has the highest abrasion resistance. Due to being pH neutral Green Umbrella Dry Shield™ does not interfere with the application of concrete dyes as sodium products can. Decreases black tire marking from lift trucks and other equipment.

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**CHLORIDE SCREEN:**  
**SHIELD & ENHANCE**

**HONE**



The second line of defense, Green Umbrella Shield & Enhance™ is an environmentally friendly densifier that deeply penetrates and chemically reacts with concrete to create a floor exceptionally resistant to the damaging effects of water and salt with up to 91% chloride prevention. Green Umbrella Shield & Enhance™ has met and exceeded 244 lab testing requirements. Green

Umbrella Shield & Enhance™ is specially engineered to enhance the natural beauty of polished or dyed & polished concrete, providing a deeper and richer appearance to any concrete surface that has been ground, honed and polished.



**PENETRATING TREATMENT:**  
**MICROFILM**

**POLISH**



The added protection that makes you shine. Green Umbrella Microfilm™ is an environmentally friendly hybrid surface treatment that creates a durable micro-thin layer to seal polished concrete. Properly applied, Green Umbrella Microfilm™ forms a breathable, dense, protective layer which is highly resistant to aviation oils, stands up to acid and chemical exposure, and is not

prone to whitening, peeling or flaking — with a beautiful high-gloss finish. Testing results prove superior chemical resistance to some of the harshest chemistries a facility floor will face. It is the repairable layer to the Green Umbrella Max Defense Treatment System™ in case burnishing would not remove etching, simply reapply.

**EQUIPMENT NEEDED**

**ABRASIVES NEEDED**

