

## **INVISIBLE SHIELD® - Tech Tips**

### *Invisible Shield Protected Glass is Different & Better*

INVISIBLE SHIELD represents a breakthrough in protective glass coating technology. It is unlike other surface treatments you have used. It saves hours of cleaning and provides a “preventive cleaning” & maintenance shield that prevents stains and corrosion from penetrating the glass. Invisible Shield will keep glass in a “Like New” condition. **For optimum performance, please review the simple TECH TIPS and AFTER CARE Instructions.**

#### **WHAT IS INVISIBLE SHIELD?**

It is an ultra-thin, polymer coating that was specifically formulated to be applied like a polish to make all glass water, soil and stain repellent.

#### **WHAT DOES INVISIBLE SHIELD DO?**

It seals, polishes and protects glass with an invisible “monomolecular” barrier coating that reduces the adhesion and buildup of soil, grime, stains, hard water minerals, rust, salt, pollution and other contaminants. It allows glass to be washed, rinsed or wiped off easily without the use of harsh soaps, solvents or abrasives.



#### **HOW DOES INVISIBLE SHIELD WORK?**

The unique INVISIBLE SHIELD silane polymers chemically bond with the glass surface to reduce the surface tension of the glass and prevent stains and contaminants from penetrating and “bonding” to the surface.

#### **HOW LONG WITH INVISIBLE SHIELD LAST?**

Like with all coatings, durability depends upon the quality of the application, the degree of exposure, the amount of abrasion and some after care or light maintenance. An application of INVISIBLE SHIELD can last up to 15 years but it was designed to be renewable to rejuvenate its sealing, polishing and protecting properties.

#### **WILL INVISIBLE SHIELD “BUILDUP”, CRACK, PEEL OR DISCOLOR?**

Absolutely not! Its novel structure permits it to bond to a surface, but not to itself. Thus, it can never be over-applied, and each reapplication merely fills in the voids created by surface abrasion to maintain peak water, soil, and stain repelling performance.

**WHAT ABOUT OLD OR BADLY WORN SURFACES?**

INVISIBLE SHIELD cannot repair cracks, chips or scratches. Generally, on older, badly worn or damaged glass, INVISIBLE SHIELD will prevent deterioration and degradation, save hours of cleaning and reduce the need for costly repairs and replacements.

**WHAT HAPPENS WHEN INVISIBLE SHIELD WEARS OFF?**

Nothing; it just gradually wears off and disappears depending upon Abrasion & environmental conditions. INVISIBLE SHIELD is organic and 100% biodegradable.

**IS IT DIFFICULT TO PREPARE THE SURFACE?**

No...Normally, it's enough to simply wash, rinse and dry the surface before applying INVISIBLE SHIELD for the first time. While many surfaces can be treated in this way without any special preparation; visibly soiled, filmed, or stained surfaces must be thoroughly cleaned before application of the protective coating.

**HOW DO I KNOW WHEN IT'S TIME TO REAPPLY INVISIBLE SHIELD?**

That's easy... when water stops "beading", when soil starts "sticking" and when stains start to "show", it can be reapplied when surfaces will appear to be dull and have lost their luster. Simply give glass surfaces a "once-over" with INVISIBLE SHIELD to maintain peak performance.

**WHAT'S THE BEST WAY TO CARE FOR GLASS THAT IS PROTECTED?**

Protected Glass should not require daily cleaning. Although every job varies, usually rinsing or cleaning the glass with plain water is adequate to remove any surface soil. At the most, a periodic cleaning with a light soap-water solution will loosen visible or "layered" soil to keep the glass in a clean & clear condition.

## Invisible Shield After Care & Cleaning Tips

1. Glass that is protected with Invisible Shield does not require a high level of soap (surfactant) to clean the glass. Soaps/surfactants leave a film on the glass that attracts dust, soil & other contaminants. Adjust your soap level or simply clean or rinse the glass with plain water. The less suds the better!
2. If available, we recommend using DI or filtered water instead of regular potable water which contains a high level of minerals.
3. As the glass becomes lightly soiled and as a surfactant-free alternative you can use a "light" vinegar and water - or - alcohol in water solution to clean the glass and polish with a clean microfiber or terry cloth towel. Do not use paper towels.
4. When cleaning the glass with a squeegee, a clean blade and cloth are necessary. Glass that is protected repels water and therefore a squeegee may experience some slight drag on the drier surface. An increased amount of water will alleviate this issue and lubricate the squeegee.
5. Unelko has developed an excellent "surfactant free" glass cleaner called REPEL® as an "after care solution" for cleaning protected glass periodically. (Available in Concentrate & RTU)