

# INVISIBLE SHIELD®

Surface Protectant

## The "Easy Clean" System



The Invisible Shields is an environmentally friendly, multi-functional transparent polymer coating for the preservation, enhancement and preventive cleaning & maintenance of glass, porcelain, ceramics, and more! It chemically and mechanically seals, polishes and protects surfaces with a system of catalyst-activated "isomeric" polymers that bond to the surface.

When applied as directed for the purposes intended as set forth on its labels and in its literature, the resulting Invisible Shield coating is warranted to make surfaces remarkably water, soil and stain repellent. It is guaranteed to be chemically inert, thermally stable and absolutely invisible without cracking, peeling or discoloring, and is capable of being infinitely applied and re-applied without buildup.

By making surfaces actively water, soil and stain repellent, the Invisible Shield permits the practice of preventive cleaning and maintenance. It reduces cleaning costs, repairs and replacements; while improving appearance... keeping surfaces like new!



### Properties:

Form:	Liquid
Appearance:	Clear
Active ingredients:	Min. 7.5% activated "isomeric" polymers
Flash point:	61°F / 16°C
ph:	3.0
Catalist system:	Ethyl/isopropyl Hydrogen Sulfate
Solvent:	Specially denatured ethanol/isopropanol
Specific gravity:	0.810 (@60°F)
Shelf life:	Indefinite (in closed containers)
Surface coverage:	Average 4,000 f <sup>2</sup> /gal.

Window Cleaning,  
Restoration &  
Maintenance

Curtain Wall

Shower Doors

Solar Panels

Sandblasted Glass

Decorative Glass

Marine/Automotive

Veranda's

Restrooms



# INVISIBLE SHIELD®

Surface Protectant

## Performance & Application



The INVISIBLE SHIELD is ready to use as supplied, requires no shaking or stirring and should not be diluted. Being a broadband material that adheres to surface, but not itself, The Invisible Shield should be used sparingly; but in a manner that ensures complete and uniform treatment. Applied by conventional wiping and polishing, it affords remarkable coverage - well in excess of 100 m<sup>2</sup>/liter or 4,000 sq. ft./gallon. Specific coverage will vary slightly in accordance with the type and condition of the particular surface being treated and the care with which the material is applied.

**SURFACE PREPARATION:** All surfaces must be washed and thoroughly dried before treatment. New and relatively clean surfaces may simply be flushed with plain water and thoroughly dried. Visibly soiled, encrusted, stained, worn or eroded surfaces must first be cleaned using whatever materials and techniques are necessary to produce a bare surface; which should then be flushed with clear water to remove all cleaner residues. Additional "deep-cleaning" properties are imparted by the Invisible Shield, and it is not necessary to remove the previous applications before retreating surfaces.

**APPLICATION DIRECTIONS:** Apply the Invisible Shield to a clean soft cloth that has been folded into a pad. The cloth should be soaked, but not dripping wet. Carefully wipe wetted cloth over entire area to be treated, using a firm, circular and overlapping motion. Allow the solvent to evaporate for at least 2 minutes. The slight haze that forms will not harden, chalk or dust. When treating surfaces for the first time, repeat the application to ensure complete and uniform coverage. The haze that forms is excess material, and indicates that the surface has been properly treated. Remove the excess material by wiping with a clean cloth or paper towel; turning the cloth frequently until all excess polymer is removed. Excess repellent can also be removed from large surface areas or intricate forms by spraying the surface with clean water and wiping with a dry cloth until the surface is clear and sparkling.

**APPLICATION TEMPERATURES:** Although the Invisible Shield can be freely applied throughout the year, surfaces to be treated must be completely dry. For greatest application efficiency, surface should not have temperatures below 0°C or above 35°C.

**HANDLING AND STORAGE PRECAUTIONS:** The Invisible Shield contains a fast-evaporating flammable solvent, and should not be used or stored near an open flame or at temperatures above 45°C. In liquid form it is an eye-irritant, and contact with eyes should be avoided. Protective eye wear, respiratory equipment and skin wear may be required in instances of high exposure or incidental contact (contact UNELKO for regulatory information).

**PERFORMANCE FEATURES:** The Invisible Shield combines exceptional multi-surface versatility with single-product convenience. The novel structure allows it to bond to the surface, but not to itself. It is not subject to build-up and acts as an integral part of the treated surface. The monomolecular coating will not be affected to removal by any soap, solvent or detergent which would otherwise alter or damage an untreated surface.

- Ready to use ..... Requires no mixing, dilution or catalysts
- Wipe-on treatment ..... Offers versatility and ease of application
- Fast acting and non-dusting ..... Contains no waxes, plastics or resins
- Multi-functional ..... Repels water - Reduces friction - Improves clarity
- Abrasion resistant ..... Chemical and physical bonding
- Invisible and non-distorting ..... Monomolecular film - Optically clear

**DURABILITY:** The resulting coating is very durable and will last from 3 months to 5 years depending upon environmental exposure. Its performance is affected only by chemical or abrasive conditions sufficient to otherwise etch or erode an untreated surface. It provides continuous performance under the most severe conditions. Its ultimate effectiveness and durability will be a function of (1) the type and condition of the surface being treated, (2) the quality of the application, and (3) the nature and degree of exposure. Re-application will be necessary when the surface does not bead water at a contact angle of 80°. It is recommended that a maintenance procedure be regularly reviewed in light of the demands of the reviewed in light of the demands of the environmental exposure.