

## Data Sheet

# Sentry Glass Shield



### Description

Sentry Glass Shield H2O Hydrophobic delivers an invisible, durable coating by chemically bonding to surfaces.

Once on the surface, depending upon the substrate, it can impart water repellent, antistatic, release, and lubricious properties.

After treatment on a glass slide, for example, the coefficient of friction was reduced to less than 0.1, making wiping and polishing much easier, and increasing the scratch resistance of the glass between five and tenfold as measured by a Hoffman Tester (glass stylus).

### Surface

- Glass,
- Mirrors
- Tile
- Ceramics

### Solution

- Durable scratch resistant coating
- Imparts water repellency
- Imparts antistatic properties
- Improves visibility during rain on windshield glass.

### Characteristics

**Appearance:** Colorless to Milky White

**Finish:** Invisible

**Odor:** Mild

**Vehicle Type:** Water Based

**Flash Point:** N/A

**VOC:** 0 g/l

**Weight per Gallon:** 8 lb./gallon

### Spread Rate

**Recommended Spread Rate per coat:**

800-1000 sq. ft. per gallon

Coverage will vary depending on the porosity and texture of the substrate.

## Coverage Surface - Sq. Ft / gal

### Coverage:

- 600-1200 sq. ft./gal (non-porous surfaces)
- 200-400 sq. ft./gal (porous surfaces)

Coverage will vary depending on the porosity and texture of the substrate and application process

## Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign material using glass cleaner with a newspaper.

The newspaper acts as a mild abrasive necessary to open the grain of the glass enough for the coating to achieve the required bond but won't scratch the glass.

Using Blue Tape, mask off your surfaces adjacent to areas and other parts you are coating to avoid getting it on surfaces you don't want coated.

## Pre-Application Test Area

Due to the wide variety substrates, always test Sentry Glass Shield in an inconspicuous location to ensure performance and compatibility with the surface.

## Application

Make certain surface has been prepared properly and is clean and dry. If applying outdoors, do not apply in direct sun or on glass over 75°F. Shake the container for several minutes to suspend the Nano particles that have settled to the bottom.

Make certain to shake and or stir every 15-20 minutes to ensure proper performance. Use a soft lint-free, shop-quality paper towel to apply. Pour an amount of the coating onto the paper towel to saturate it, but not so much it is dripping off.

Then wipe a thin coat onto the surface using a circular motion, making sure every part is coated. Do not let dry buff off within 20-30 seconds using a clean micro fiber cloth. If you applied too much coating and cannot get off the residue with the micro fiber cloth, use a dry piece of newspaper to wipe off any excess residue.

## Cell Phone Screens

- Turn off phone or tablet.
- Surface must be clean, dry, and in sound condition.
- Use a soft lint-free, shop-quality paper towel to apply. Pour an amount of Sentry Glass Shield onto the paper towel to saturate it, but not so much it is dripping off.
- Then wipe a thin coat onto the surface using a circular motion, making sure every part is coated.
- Do not let dry, buff off within 20-30 seconds using a clean micro fiber cloth.

## Polycarbonate Screens

Follow above directions for Glass Screens for steps 1-3 however allow each coat to dry to a haze about a minute or two before buffing off.

Then repeat step 3 two more times for a total of three coats of Sentry Glass Shield.

## Dry Time

**Drying Time (@ 77°F, 50% RH):** Temperature and humidity dependent.

**Touch:** 1 minute

**Through:** 1 minute

**Full Cure:** 1 minute

## Clean Up

Clean tools and equipment with water, rinsing thoroughly.

## Caution

In the event of contact with skin, wash skin thoroughly with soap and water. Always wear safety goggles or splash shield to avoid splashing into your eyes.

Do not wear contacts without eye protection. If sealer gets into your eyes, immediately flush eyes with water for 15 minutes.

If eye irritation occurs after rinsing, seek medical attention. If accidentally swallowed, rinse mouth thoroughly with water. In case of discomfort, obtain immediate medical attention.

## Care & Maintenance

To clean coated exterior surfaces, simply hose off with a garden hose equipped with a pistol grip sprayer. On interior, use a damp towel. Rinse with fresh water and dry. To re-apply, simply follow application instructions. There is no need to strip off original coat.

## Warranty Limited 2 Year

Sentry Molecular Coatings, Inc. guarantees Sentry Glass Shield to be defect free from date of purchase for 2 years. Any material that is proven to be defective will be replaced in a like quantity by the manufacturer with proof of purchase receipt and provided it has been applied according to the instructions on container and data sheet along with other related guidelines posted at [SentryMolecularCoatings.com](http://SentryMolecularCoatings.com).

This warranty only extends to the owner of the property upon which the product is applied and is non-transferable. Seller will replace product 100% of full value for the first 1 year then prorated for the remaining 1 year.

Warranty does not cover wear and tear only manufactures defects. Any warranty claim must be made in writing and sent to Seller with supporting materials and access to the property for inspection and testing as requested by Seller.

Seller will thereafter provide replacement product for product found to be defective. This warranty is given in lieu of all other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose.

The remedy stated herein is an exclusive remedy and Seller shall not be responsible for any other damages, including labor or any incidental, consequential, special or punitive damages, whether based on breach of express or implied warranty, negligence, strict liability or other legal theory.



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