



LIMITED WARRANTY

If SHIELDS® SUPERCOAT™ windshield/window (i) breaks, (ii) incurs coating failure, (iii) exhibits excessive increased haze, or (iv) exhibits excessive yellowing or loss of light transmission, in each case within ten (10) years from the date of sale due to manufacturing defect and subject to the definitions and conditions set forth herein, then the purchaser will receive a free replacement windshield/window, provided the failed windshield/window, original sales receipt and this warranty are returned to the original dealer. If a replacement windshield/window cannot be provided within fourteen (28) days, SHIELDS® may opt to refund the original windshield/window purchase price.

CONDITIONS

This warranty applies only when SHIELDS® SUPERCOAT™ windshield/window is used in flat vertical architectural glazing, **excluding specifically transportation, outdoor recreational, and off-road vehicle applications**, cleaned according to SHIELDS® recommendations (see reverse side for cleaning recommendations). This warranty does not cover (re)installation expenses or any other direct or indirect loss(es) which may result from the windshield/window failure.

Breakage: The warranty against breakage applies only to a windshield/window fabricated, installed, and cleaned according to SHIELDS® recommendations. SHIELDS® SUPERCOAT™ windshield/window is substantially stronger than acrylic and resists impact, abuse and vandalism. However, no material or windshield/window can be described as unbreakable, for it is impossible to account for all types of usage.

Coating Failure: The warranty against the SUPERCOAT™ failure applies when the abrasion-resistant surface treatment exhibits flaking of the surface treatment or loss of adhesion between the surface treatment and the substrate sheet, either of which is visibly detectable without the aid of instruments.

Abrasion Resistance: The windshield/window will not exhibit an increase in haze of more than 15%. Criteria: The sample as manufactured shall be abraded according to Test No. 17 of ANSI Z26.1 (Taber Abrader) for 100 cycles with a 500 gram load.

Yellowing and Light Transmission: The warranty against loss of light transmission applies only to Clear Transparent SHIELDS® SUPERCOAT™ windshield/window. The Yellowness Index (YI) of SHIELDS® SUPERCOAT™ windshield/window (CLEAR ONLY) cleaned according to the recommendations of SHIELDS® shall be less than 5.0 during a five-year period from the date of sale, and shall be less than 10 during a ten-year period from the date of sale as determined according to ASTM D1925 (1977) modified by SHIELDS® as measured with a Gardner Colorimeter. The light transmission characteristics of SHIELDS® SUPERCOAT™ windshield/window, cleaned according to the recommendations of SHIELDS®, shall not decrease (from its initial manufactured value) by more than 5% during a five-year period from the date of sale nor by more than 7% during a ten-year period from the date of sale when tested by the procedure specified in ASTM D1003 modified by SHIELDS®. This warranty is limited to excessive yellowing and light transmission losses due to the degradation of SHIELDS® SUPERCOAT™ windshield/window and does not cover yellowing or light transmission losses due to dirt, atmospheric deposits, abrasion, or changes in the physical structure of the SHIELDS® SUPERCOAT™ windshield/window. You should be aware that all glazing and outdoor windshield/window materials are subject to irreversible depositions of atmospheric elements and can be expected to show signs of hazing eventually. Regular proper cleaning will significantly reduce, but not eliminate, that process (see reverse side for cleaning and maintenance instructions). **This warranty does not cover hazing caused by physical abuse including failure to clean according to the instructions on the reverse side.**

THE WARRANTIES STATED IN THIS PUBLICATION ARE THE ONLY WARRANTIES MADE BY SHIELDS® WITH RESPECT TO SHIELDS® SUPERCOAT™ WINDSHIELD/WINDOW AND ARE IN LIEU OF ALL WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.

SHIELDS® SHALL NOT BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES ARISING OUT OF THE USE OR APPLICATION OF SHIELDS® SUPERCOAT™ WINDSHIELD/WINDOW WHETHER A CLAIM FOR DAMAGES IS BASED UPON WARRANTY, CONTRACT, TORT OR ANY OTHER LEGAL THEORY. UNDER NO CIRCUMSTANCE SHALL SHIELDS® BE LIABLE FOR ANY AMOUNT GREATER THAN THE ORIGINAL PRICE PURCHASER PAID FOR THE SHIELDS® SUPERCOAT™ WINDSHIELD/WINDOW.

THE REMEDIES PROVIDED HEREIN ARE PURCHASER'S SOLE AND EXCLUSIVE REMEDIES.

Notice: This dealer is authorized to fulfill the above obligations of this warranty to the purchaser at the expense of: SHIELDS® Windshields, 1000 Industrial Drive, Martinsville, IN 46151 (765-342-2300).

This limited warranty must be completed by the dealer at the time of sale.

Customer Name: _____

Dealer Name: _____

Date of Sale: _____

SHIELDS® Windshields

Part Number & Manufacturing Code: _____

INSTALLATION AND CARE & MAINTENANCE INSTRUCTIONS

The proprietary UV and Abrasion Resistant surface coating on SHIELDS® SUPERCOATED™ polycarbonate significantly improves performance. Periodic cleaning using proper procedures and compatible cleaners are recommended to prolong service life.

Installing Your SHIELDS® SUPERCOATED™ Window

When possible – use your factory supplied hardware and/or gaskets.

DO NOT OVERTIGHTEN FASTENERS

BONDED WINDOWS: Bonding with urethane can only be achieved if the window is milled and/or fritted; urethane will not permanently bond directly to our SUPERCOAT™ - urethane will only permanently bond to uncoated polycarbonate (the milled areas) or prepped and fritted areas.

RTV Silicone is ONLY to be used as a weather proofing measure – RTV Silicone CANNOT be used to permanently bond to the cab.

****DO NOT USE ANY OTHER ADHESIVES OR ‘LOCK TIGHT’ CHEMICALS**

**The use of these chemicals in holes and edges (non SUPERCOATED™ surfaces) will attack the polycarbonate.

ANY USE OF NON-RECOMMENDED CHEMICALS, ADHESIVES, OR ANY FABRICATION CONDUCTED TO THE WINDOW WILL IMMEDIATELY VOID ANY/ALL WARRANTY CLAIMS.

CLEANING THE SUPERCOAT™ HARD-COAT

1. Wash with a mild solution of soap or detergent and lukewarm water.
2. Using a soft cloth or sponge, gently wash the sheet to loosen dirt and grime and rinse well with clean water.
3. To prevent water spotting, thoroughly dry with chamois or cellulose sponge.
4. Avoid the use of abrasive cleaners, squeegees and/or other cleaning implements that may mar or gouge the coating.

CLEANING AGENTS WHICH HAVE BEEN FOUND TO BE COMPATIBLE UNDER LABORATORY CONDITIONS:

- **Aqueous Solutions of Soaps and Detergents**

Windex¹ Top Job² Joy² Mr. Clean² Fantastik³ Formula 409⁴ Sumalight D12 Brucodecid

- **Organic Solvents**

Butyl Cellosolve Kerosene Hexel, F.O. 554 Naphtha (VM&P grade) Neleco-Placer Turco 5042

- **Alcohols**

Methanol Isopropyl All residual organic solvents should be removed with a secondary rinse.

GRAFFITI REMOVAL

- (A) Butyl cellosolve (for removal of paints, marking pen inks, lipstick, etc.). The use of masking tape, adhesive tape or lint removal tools works well for lifting off old weathered paints.
 - (B) To remove labels, stickers, etc., the use of kerosene or VM&P naphtha are generally effective. When the solvent will not penetrate sticker material, apply heat (hair dryer) to soften the adhesive and promote removal.
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IMPORTANT: If a material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide only and it is recommended that the user test the products under actual end-use conditions.

RECEIVING & INSPECTION: All parts must be inspected upon receipt. Any damage to container or parts must be reported immediately. FORM/TEC Plastics, Inc. is not responsible for parts damaged in transit, or for defects not immediately reported.

RETURNS: Certain parts may be returned provided the parts are unused – meaning new parts completely undamaged or fabricated. Parts for return must be properly packaged and shipped freight pre-paid to: SHIELDS® Windshields, 1000 Industrial Drive, Martinsville, IN 46151. There will be a 35% re-stocking fee for all returned parts. No returns on custom or special parts.

FORM/TEC Plastics, Inc. (dba- SHIELDS® Windshields) Product Disclaimer:

Any and all polycarbonate windshields, windows, windscreens, faceshields, canopies, covers, or guards are produced without any express or implied warranty of any kind concerning guarantees of bodily protection or customer's end-use application for any particular purpose, shape, or form. FORM/TEC Plastics, Inc. does not warrant and is not responsible for any direction or recommendation as to the product's end-use in design or applications, and the customer is fully responsible for its own designated use.

¹Registered Trademark of the Drackett Products Company.

³Registered Trademark of Texize, Division of Norwich Products, Inc.

⁵Registered Trademark of Pennzoil-Quaker State

²Registered Trademark of Procter & Gamble.

⁴Registered Trademark of the Clorox Company.