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.

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**
  - Windex
  - Mr. Clean
  - Sumalight D12

- **Organic Solvents**
  - Butyl Cellosolve
  - Naphtha (VM&P grade)

- **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.

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 15% re-stocking fee for all returned parts. No returns on custom or special parts.

FORM/TEC Plastics, Inc. 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.
Suggestions for Fabricating your SHIELDS® windshield and windows

Trimming your SHIELDS®

Your polycarbonate SHIELDS® can be trimmed using a standard band saw or saber saw with wood-type blades (fine metal cutting blades may cause the chips to melt behind the blade). Leave the protective masking in place or apply masking tape along the cutting path to avoid gouging.

Drilling your SHIELDS®

Your polycarbonate SHIELDS® can be drilled using a standard metal drill bit – without making any modifications. For 1/4" diameter bits (or less), 1800 rpm is recommended; for larger bits, use 1000 rpm. Avoid drilling too quickly reducing heat build-up and stress.

Using ADHESIVES to INSTALL

If you use windshield adhesive to install your SHIELDS® - with or without the gasket - the adhesive MUST be an RTV SILICONE.

Urethane based adhesives will not bond to the SUPERCOAT™

Using FASTENERS to INSTALL

If you are using fasteners requiring holes in your SHIELDS® windshield or window – slightly oversize your hole & add a small amount of RTV silicone or other grommet to absorb expansion & contraction energies. Countersinking and riveting will result in spider cracks around the hole.

For racing in the RAIN – there is no need to apply any water repellents – such as RainX® – as the SUPERCOAT™ will repel water better than any over the counter applications.

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