

Cleaning

Makrolon®, like other polycarbonate products, requires careful cleaning to prevent crazing, cracking or yellowing of product. Clean water should be used to wash off grime and loose grit from all panels before cleaning products are applied. Only a soft microfiber cloth, or microfiber sponge should be used to clean Makrolon windows. Avoid squeegees, deck / scrub brushes, scotch pads, paper / shop towels as they can be abrasive and can cause haze or swirls in the sheet. Avoid grit polishes as abrasives can lead to haze and swirls.

Points to remember:

Do not use abrasive cleaners

Do not use high alkaline cleaners (high pH or ammoniated)

Do not leave cleaners sitting on polycarbonate for periods of time; wash off immediately

Do not apply cleaners under direct sunlight or at elevated temperatures

Do not clean polycarbonate with any unapproved cleaners. When in doubt seek guidance.

Using scrapers, squeegees, razors or other sharp instruments may permanently scratch polycarbonate.

Always avoid dry rubbing cleaning polycarbonate, as sand and dust particles clinging to the exterior of the glazing may scratch its surface.

An anti-static canned-air ionizer can reduce electrostatic charge buildup on polycarbonate, consequently reducing dirt and dust buildup that would hinder cleaning.

Photos courtesy of:

Cover: *The Canvas Guy & Mark Mitchell (Boat Owner)*

Page 2 left side, top; left side bottom; right side, bottom: *David's Custom Trimmers*

Page 2 left side, middle: *Alameda Canvas & Coverings*

Page 2 right side, top: *The Canvas Guy & Mark Mitchell (Boat Owner)*

Page 3 left: *Alameda Canvas & Coverings*

Page 3 right: *Marine Tops Unlimited, Inc.*

Page 4 top three right: *Marine Tops Unlimited, Inc.*

Page 5: *Alameda Canvas & Coverings*

Cleaners:

Use only neutral-pH cleaners or those specified to be compatible with Makrolon products. Harsh detergents may damage product. Makrolon marine windows can be cleaned with over-the-counter dishwashing liquids such as Joy® or Palmolive® soaps. Rinse thoroughly with clean water to remove all traces of cleaning products. To prevent water spots, thoroughly dry the product with a dry microfiber cloth or chamois.

Do not apply RainX® or other brands of hydrophobic surface treatments to Makrolon polycarbonate as they may damage window's protective surface.

Waxes and sealants: can be helpful to reduce accumulation of dust / dirt / salt spray and make cleaning easier. Approved products include Meguiar's #10 Clear Plastic Polish & Cleaner, Meguiar's M18 Mirror Glaze® Clear Plastic Detailer, Star Brite® Rain View Wet Weather Visibility Treatment, Golden Eagle Company 303® Clear Vinyl Protective Cleaner, Sumner Laboratories 210® Plastic Cleaner & Polish.

Removal and stowing: Extra handling care should be taken any time when windows are installed or removed. Prior to removal, Makrolon windows should be cleaned and dried thoroughly. Always protect your windows with cloth covers immediately upon removal. Store windows in a location which is not exposed to the elements. If possible lay windows in a flat position. If storing horizontally isn't possible, store in a vertical position where they will not be bumped or damaged. Keep a cloth sheet between windows during storage. We recommend placing a soft non-abrasive fabric such as Evolution® to cover over all exposed window surfaces when not in use. Covering the surface reduces heat buildup and exposure to harmful UV radiation.

All materials should be tested prior to use for compatibility.

Please contact your Covestro representative or the Technical Service Group at 800.628.5084 with any questions, or if you require additional information.

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