

MAINTENANCE GUIDELINES FOR SURVEYOR LIFEGUARD OBSERVATION TOWERS

"Surveyor" towers have been designed using very durable and low maintenance materials. The environment in which most of the towers are used (full sun and salt air) is not only harsh, but highly corrosive as well. A regular schedule of inspections and maintenance will help to assure reliable, safe operation and extend the operating life of the tower.

1. FIBERGLASS SURFACES

If practical, wash the tower with fresh water and apply a coat of wax with a UV inhibitor. This should be scheduled at the beginning and end of each summer season.

Repairs to fiberglass due to damage or wear should be made as follows:

CHIPS OR DEEP SCRATCHES:

Sand, fill with VETTE PANEL ADHESIVE and cover with gel coat

SEVERE DAMAGE WHERE THE LAMINATE FIBERS ARE BROKEN:

Grind and feather around area, laminate with cloth or matt fiberglass. fill and surface with polyester filler, cover with gel-coat

AREAS WORN BARE THROUGH USE:

Sand and re-cover with gel-coat. Bare fiberglass, exposed to ultra-violet rays, will degredate and lose its structural properties.

2. STAINLESS STEEL RAILINGS AND HARDWARE

Although stainless will not rust through, it is subject to spotting and staining. To bring it back to its original luster, use a soft cloth and stainless steel polish. Never use steel wool as this product will contaminate the stainless and hasten the development of stains and corrosion.

Surveyor railings and structures are fabricated from 304 grade stainless steel or the optional 316 grade. Finish can be mill-finish, machine polish or for maximum corrosion resistance, electro-polish.

Normally the towers are supplied with electro-polished railings, steps, and proprietary hardware. Support structures are mill-finish unless otherwise ordered. Regardless of grade or finish, the stainless steel will stain and corrode unless cleaned and maintained.

For more established corrosion it may be necessary to use a rust dissolving solution, such as WD-40 or NAVAL JELLY and a SCOTCH BRITE abrasive pad or nylon brisel tooth brush. If a regular maintenance schedule is established, the harsher methods of corrosion removal will be minimized.

Wiping on a coating of automotive wax will further protect the stainless and reduce the maintenance schedule.

Be advised that the severity of the environment changes from location to location and varies according to weather conditions and seasons. The maintenance schedule must be established and adjusted according to these factors.

3. WINDOW GLASS

The glass in Surveyor Towers is 1/4 tempered glass, either gray #14 or the optional OPTI-GRAY glass with a higher 92% US screening factor. Clean the glass with a recognized glass cleaner such as WINDEX using a sponge or squeegee and finishing with a soft cloth. Never use abrasive pads such as scotch-brite as these will permanently scratch the glass.

Sliding glass runs in plastic lined tracks. To insure smooth operation and maximum track life, keep the tracks free of sand and dirt by using a small brush to remove particles that have accumulated.

4. LATCHES AND HINGES

All operating hardware on the Surveyor Towers is fabricated from stainless steel, including sliding bolts, springs and pins. Hardware is attached using stainless steel fasteners, including rivets, washers, nuts, bolts, and machine screws. In order to insure smooth operation and maximum operating life, lubricate regularly with a rust inhibitor and lubricant such as WD-40.

5. GALVANIZED STEEL

Hot dip galvanizing offers a highly protective coating over steel. It is not however, as long-lived as stainless and will degrade over time. In order to preserve the support structure, clean areas that are starting to rust with a wire brush. Spray with Galvaloy rust resistant paint.

NEW MAINTENANCE TECHNOLOGY

Our on-going research and testing has discovered several new products:

3M IMPERIAL COMPOUND AND FINISHING MATERIAL #06044

This is an incredible product for easily removing corrosion and stains on stainless steel and fiberglass.

CORROSION X

The Polar Bonding Technology leaves an ultra-thin, self-healing film that seals metal from the environment, thereby preventing corrosion and staining. Frequency of application will depend upon specific environmental conditions.

CORROSION X HD

This is a more viscous version of Corrosion X. We recommend spraying the fasteners after assembly since corrosion develops more readily in these areas.

www.corrosionx.com

PROFESSIONAL MARINE POLISH

This is a nano-technology product for cleaning and protecting stainless steel. We recommend this for polished railings and hardware that are in contact with users hands. It is odorless and leaves no discernable residue.

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