

Caring for your
Steel Windows
& Doors

HOPE'S[®]

STEEL & BRONZE • WINDOWS & DOORS
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MAINTENANCE RECOMMENDATIONS

In order to maintain Hope's warranty, all windows and doors must be cleaned in accordance with Hope's instructions.

Regular maintenance will help keep your Hope's windows and doors beautiful and trouble-free for years to come.

Hope's recommends cleaning and inspecting your windows and doors each fall season — after the rainy and dusty months of summer and before the colder winter months — to ensure optimal performance and energy efficiency.

Keep window and door units free of dust, dirt, sand and debris. Clean and lubricate operable parts on a regular basis.

IMPORTANT: Remove all steel drill shavings after installation. Steel shavings may stain the factory finished window or door frame.

CLEANING PAINTED WINDOWS AND DOORS

Apply a medium-pressure water rinse from top to bottom, rubbing lightly with a soft automobile brush or sponge.

If a simple water rinse is not sufficient, use a mild detergent or soap. Mild detergents that are safe for bare hands should be safe for painted windows, but you should spot test all detergents before

using. Washing with detergent should be done with uniform pressure, first with a horizontal motion followed by a vertical motion.

Run down of cleaner should be minimized. Areas subject to run down should be rinsed immediately to avoid the possibility of streaking or ghosting.

Some types of mild solvent, such as mineral spirits, may be used to remove grease. Stronger solvents may have a harmful or softening effect on painted windows. Extreme care must be taken to assure no marring of the surface is taking place, since this could give an undesirable appearance at certain viewing angles.

Solvents should be applied with a clean cloth and removed with a clean cloth. Remaining residue should be washed with a mild soap and rinsed thoroughly. Use solvent cleaners sparingly.

If the surface is heavily soiled or stubborn stain is present, a more aggressive cleanser may be required. Remember to spot test an area before using. Always follow the manufacturer's instructions. When using stronger cleaners, do not rub or scrub excessively.

Cleaning chemicals should not be allowed to collect or puddle on the horizontal surfaces or in the joints. These surfaces should be flushed with water and dried.

Rinse thoroughly with clear water. If the cleaner

is permitted to dry, it may be necessary to lightly sponge the surface while rinsing.

Allow the surface to air dry or wipe dry with a chamois cloth.

General Cleaning Tips

- Avoid over-cleaning window and door frames
- Do not use abrasives
- Do not use stiff bristle brushes, steel wool or scrubbing pads on the finish
- Make sure sponges, brushes, rags and chamois are free of dirt and grit
- Never use a knife, scraper or putty knife on the factory finish
- Do not use a high pressure nozzle
- Do not use heavy duty cleaners
- Follow all manufacturer's instructions for mixing and diluting cleaners
- Use caution and spot test when using strong solvents or cleaners
- Never use alkaline, acid, petroleum-based cleaners, caustic chemicals or paint removers
- Avoid dripping or splashing chemical cleaners; thoroughly rinse all drips immediately

HARDWARE

All hardware must be maintained, cleaned and lubricated on a regular basis.

Cam Fasteners

All operable parts should be lubricated with a light oil. First remove any paint build up or dirt on the surface. Apply a small amount of oil and move the fastener handle back and forth to work in the lubricant. Wipe off any excess.

Tighten the fastener attachment screws to provide optimum contact with the keeper or wedge when the ventilator is in the closed position.

Spring Catches

All operable parts and springs should be lubricated with a light oil. First remove any paint build up or dirt on the surface. Apply a small amount of oil and move the mechanism several times to work in the lubricant. Wipe off any excess.

Tighten the attachment screws to provide optimum contact with the keeper or catch plate when the ventilator is in the closed position.

Roto Operators

All operable parts and tracks should be lubricated with a light oil. Remove the small crank handle knob from the housing by backing off the set screw in the handle. Clean any paint or dirt from the surface.

Place a small amount of a light oil on the worm mechanism. Inspect the roto operator and lubricate the pivot point on the arm and the gear teeth. Locate the track that the roto shoe (bottom) rides on under the ventilator. Be sure that it is clean and free from cobwebs and dirt, then spray the channel with a light oil or silicone lubricant.

Check all attaching screws to ensure that they are tight. Replace the handle to the worm gear stud and tighten the set screw. Finally, crank the handle in both directions several times to work in the lubricant.

Hinges and Pivots

All operable parts should be lubricated with a light oil. First detach all roto operators and adjusters. Remove any excess paint build up or dirt from the surface. Hinges should move freely (unless they are friction type).

Apply a small amount of oil to the hinges and

move the ventilator back and forth several times to work in the lubricant. Wipe off any excess.

Replace all roto and adjuster hardware.

Concealed Hinges / Four Bar Hinges

All operable parts and tracks should be lubricated with a light oil. First clean the arms and tracks of dirt or grime build up. Apply a small amount of oil and adjust the friction shoe. Work the vent open and closed to completely lubricate the tracks. Wipe off any excess.

General Hardware Cleaning Tips

To prolong the beauty and life of your window or door hardware, clean regularly with warm, soapy water. You may also apply a quality silicone-free wax to the hardware. This will help maintain the finish for years to come.

DRAINAGE OR WEEP SYSTEMS

Typically, every window frame has a weep system. It is normal for water to accumulate and drain out of holes found at the horizontal sill members. To allow for adequate drainage, this area should be kept free from dirt, insects, leaves and debris.

- Vacuum the sill and remove any debris at least once each year.

- Check the sills for sealant adhesion and make sure that all setting screws are sealed.
- Use a small brush to clean any debris from the weep holes.
- Be careful not to disturb any weep hole covers or water dams and water covers.
- Weep holes must remain clean and clear to avoid water back up.

WEATHERSTRIPPING

Clean and fluff the weatherstripping around all operable ventilators each fall season. Inspect the weatherstrip for tears or excessive wear and make sure that the vent is evenly sealed when in the closed position.

PERIMETER INSPECTION

Inspect all perimeter caulking to make sure it is intact and remains neatly pointed. Caulking should be repaired or replaced if any cracks or divots are present or if the sealant has pulled away from the surface. Inspect weather bars and weep covers to make sure that they are not loose. Check all fixing screws for sealant.

Surfaces should be clean and free from debris before applying sealant. Test for sealant and finish compatibility, following manufacturer's instructions.



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