

# CARE FOR CAL-ROYAL PRODUCTS

---

## FINISH CARE

Finishes on all products are produced to the highest quality standards to ensure they stay in perfect order year after year. However, some finishes can deteriorate if they are exposed to corrosive vapours, coastal air, salt spray or high humidity. Brass finishes are susceptible to tarnishing if they come in contact with air, moisture or wet paint, particularly in exterior locations. To overcome this, it is wise to coat all external brass finishes with a non-abrasive furniture or car wax immediately after installation, and to remove all locks before painting doors. Regular wiping with a soft cloth, occasional polishing with a non-abrasive furniture or car wax and take care not to scratch the protective finish on brass fittings will also prevent tarnishing.

- ❖ US3 (Polished Brass), US4 (Satin Brass), US5 (Antique Brass), US10 (Satin Bronze), US10A (Antique Bronze), US15 (Satin Nickel), US15A (Satin Nickel Oxidized), ALUMINUM, DURO, GOLD laquered or clear-coated finishes can simply be cleaned by wiping with a clean soft damp (not wet) cloth. A mild soap may be lightly used if very dirty. Particular care should be taken to avoid using lacquer thinners, caustic soaps, abrasive cleaners or polishes as these could damage the coating and result in tarnishing. Initial care for finishes requires only periodic cleaning with mild non-abrasive soap and light buffing with a soft cloth.
- ❖ PVD (Physical Vapor Deposition) is a technologically advanced finish coating that provides the most surface protection against environmental elements and everyday wear and tear. PVD matches clear-coated finishes in appearance, yet surpasses them in durability. PVD finishes protect against corrosion, tarnish, wear, discoloring and peeling for the lifetime of the part to which it has been applied. This kind of finish can be maintained by wiping with a clean soft damp cloth.
- ❖ US10B (Oil Rubbed Bronze) finishes can be wiped with a small amount of vegetable or mineral oil on a soft cloth. Excessive oil may cause residue to come off on contact with hands or clothing materials and would even attract dusts that would eventually become grime. Household detergents and mild abrasive powder may be used to restore the high metal color without seriously affecting the original compound of the metal. Then rub with a paste of wax.
- ❖ US26 (Bright Chrome), US26D (Satin Chrome), US32 (Stainless Steel) and US32D (Satin Stainless Steel) can be maintained by wiping with a clean soft damp cloth. A high-grade chrome polish may be used according to directions to clean and restore the original shine and satin finish.
  - Depending on the environment where the product is used, blemishes can appear on stainless steel products. To help prevent this occurring, clean once a month. Blemishes on satin stainless steel may be removed by rubbing with a suitable stainless cleaner/polish wadding polish. Ensure rubbing occurs in the same direction as to the grain itself

## MAINTENANCE

Cal-Royal Locksets, Exit Devices and Door Closers were designed and manufactured to be maintenance-free under normal operating conditions and environments. Exposure to extremely heavy traffic and/or particularly dusty and dirty environmental conditions, however, may eventually cause unsatisfactory operation due to slow-moving parts or sticking cylinders. In this case, it may be necessary to clean and re-lubricate the lockset to maintain optimum performance.

### **Locksets**

- To clean the lockset mechanism, use a non-corrosive substance or a penetrating or solvent type lubricant to loosen sticking components, then lubricate with lithium grease, silicone or teflon based lubricant
- Do not use lubricant in cylinder (oil or aerosol type)

### **Cylinders**

- When key becomes "sticky" in cylinder, you may sprinkle a small amount of graphite onto the key and then insert the key inside cylinder
- To free sticking or jammed cylinders, lubricate with graphite or a non-oily lubricant (such as Lock-EZE)
- Do not use petroleum-based lubricants in the cylinder keyway. WD-40 or oil will collect dirt over time, and a liquid might even freeze in the lock if weather is cold enough. Graphite is the common choice, the powdered version of molybdenum disulfide would work as well
- Do not use lubricant in cylinder (oil or aerosol type)

