

CARE & MAINTENANCE OF HARDWARE

7th, July 2020



GENERAL

Regular maintenance is required for all hardware. In most environments maintenance is recommended every six (6) months and every three (3) months in harsh, coastal & industrial environments.

General cleaning is recommended with mild detergent and warm water, rinse with clean cold water then wipe dry.

Windows and doors should also be inspected often to ensure they are in working condition. Damaged windows or doors can place excessive loads on hardware components which may reduce the serviceable life of the product. Check all fixing bolts and screws - tighten as required, replace worn or damaged parts. All similar components in a building may need to be cleaned or replaced at the same time.

COMMERCIAL HARDWARE USED IN HI-RISE CONSTRUCTION APPLICATIONS

CLEANING BEFORE COMMISSIONING

All hardware must be cleaned and cleared of any contaminants prior to commissioning of the windows. This can include removing site build up such as plaster dust, cement powder, sand and paint using a non-corrosive cleaner such as mild detergent or turps.

Using a commercial product such as WD40 or similar is appropriate for non visible surfaces and mechanisms such as stays, locks and similar.

After cleaning an appropriate lubricant should be applied. This lubricant will vary depending on hardware type and this can be specified by Doric technical staff on request.

KEYED CYLINDERS OR BARRELS

Should be lubricated at least once a year or when there are signs of roughness when inserting key. Apply a small amount of powdered graphite to the key and insert into the lock barrel to maintain a smooth action.

Mechanisms and parts should be cleaned by applying a small amount of Teflon based lubricant on a soft bristle brush. This will prevent corrosion of exposed metal surfaces. Be sure not to apply too much lubricant or it will adhere dust.

POWDER-COAT FINISH

Clean every 3-6 months or every month in harsh environments.

Cleaning should be undertaken with diluted mild detergent in warm water with a soft rag. After cleaning, wipe down with fresh water. Do not use abrasive aids.

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STAINLESS STEEL

Stainless steel is generally low in maintenance and with proper care it will ensure you achieve maximum corrosion resistance and maintain its appearance. With appropriate cleaning discolouration can be easily removed and the product will generally return to its “new” state.

Most discolouration can be removed with a mild abrasive cleaner including Ajax or Jif and with heavier corrosion can be removed using a stainless steel scourer or Scotch Brite™ pad. After cleaning rinse with clean water.

Avoid Chlorine based products and cleaners, hydrochloric acid, cement dust, soap concentrates, water with high iron content and steel wool.

NON-FERROUS MATERIALS

Non-ferrous metals such as die-cast zinc and aluminium may need added cleaning and care in highly corrosive environments. A white powder like substance can build up on these materials due to contamination. This build up has no impact on product performance or life cycle but can be unsightly.

Contaminants such as salt water and cement powder may cause electrolytic reactions which can be countered by cleaning and protection. Cleaning should be done by brushing any powdery residue off using a soft bristle brush until the residue is completely removed. Protection can be achieved by applying a range of commercially available coatings including:

1. WD-40 or similar spray clean and lubricant
2. Teflon dry lube spray types
3. In extreme environments a marine grade grease may be desirable

It is recommended that this procedure is completed at least once every 12 months and in extreme environments every 6 months

ROLLERS

Clean roller tracks monthly and remove all contaminants.

Every six (6) months inspect roller tyres for wear or damage, clean roller tyres and remove all contaminants. Clean with weak detergent and warm water, rinse with cold water and wipe dry. Replace when necessary; it is always recommended to change rollers in pairs to minimise additional failure.

*For full terms and conditions of sale, please refer to the catalogue, or online.
<https://doric.com.au/warranty/>*

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