

## MAINTENANCE RECOMMENDATIONS

As a condition of the warranty, the umbrella must be maintained and cleaned regularly.

The period and nature of the maintenance requirements depends on the exposure of the umbrella to climatic conditions (rain, hail, wind) and airborne pollutants (leaves, dust, pollutants, bird droppings, sea air, etc).

The umbrella needs to be maintained as often as window glass or a car would need to be inspected and cleaned if kept in the same environment.

### Periodic Inspections.

The recommended period for inspections and cleaning is no longer than 3 months. In areas of high humidity the period should be 1 month between inspections and cleaning.

The periodic inspection includes:

To the fabric membrane:

- tears on the sides and inside of the fabric membrane.
  - peeling off at the seam welds.
  - broken yarns and tears at the sewn sections.
  - small holes, cuts etc in the fabric membrane.
  - abrasion of the fabric (against tree branches, lights, etc).
  - heavy build up on the surface (dead leaves, insects, pollution etc).
  - tension in the cables should be taut (not sagging down)
  - tension in the fabric should be 'drum like' (when hit with an open hand) and should never be 'slack'.
- To the frame
- fraying of cables and webbing loops.
  - scratches and damage to the powdercoat finish.
  - excessive distortion, damage and corrosion.
  - tightness of connections.
  - tightness of hold down bolts at the base.
  - corrosion to hold down bolts.
  - crumbling of grout under the base plate.

When carrying out the inspections if any signs of the above are noticed, the manufacturer should be informed and advice will be given as to what action is needed.

### Specific Inspections

Specific inspections should be performed immediately after an unusual or exceptional event, which includes:

- storm with winds over 45 mph.
- heavy snowfall or hail.
- impact by heavy objects that may cut or abrade the fabric and webbing.
- impact by heavy object that may damage or overstress the steel frame.
- vandalism.
- ponding of stormwater, snow or hail on the fabric membrane.
- lightning strike.
- earthquake.
- initial erection and tensioning of the umbrella.

## CLEANING RECOMMENDATIONS

### Fabric Membrane Canopy

Clean the canopy if the fabric has become very dirty or the recommended maintenance period of 3 months has been exceeded. Brush down the fabric using a soft brush and water to remove the build up of dirt and superficial stains. Work on the most exposed side first.

Spray or sponge cold or lukewarm water with a 1% to 5% concentration of normal household liquid detergent on the membrane. (dishwashing liquids "gentle on hands" are adequate and will not damage the membrane coating) Wash using a sponge or soft cloth then rinse off with low pressure clean fresh water to remove dirt and detergent.

NOTE: Under NO circumstances are abrasive cleaners, scrubbing brushes, bleach or high pressure water blast to be used on the fabric, as these will damage the surface coatings.

### Frame

The steel frame should be cleaned as often as it would take to keep clear glass in the same location free of residues. Wash loose dirt, salt residues and grime, with fresh clean water. Use a pH neutral detergent, clean fresh water and a sponge, to remove remaining dirt, grime and salts. Rinse clean with fresh clean water. Polish with a non-abrasive auto polish, if required.

NOTE: Do not use abrasive (cutting compound) auto polishers, abrasive cleaners, bleach or high pressure water blast.

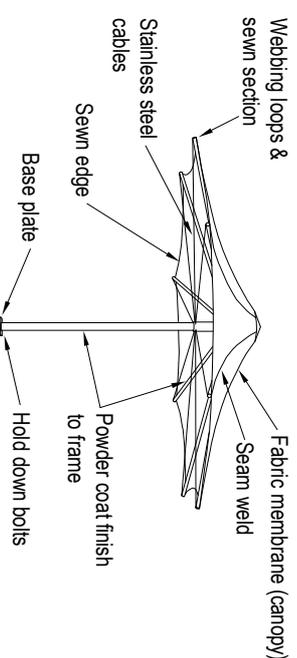
### Stainless steel cables

The stainless steel cables and shackles should be regularly cleaned by removing dust, insects, spider webs etc with a soft brush and water. Wash with water and detergent using a sponge or brush and rinse with clean fresh water. Wipe over with a damp cloth.

**Ensure that all soiling and detergent is fully washed off all components of the umbrella.**

For further cleaning instructions please contact the manufacturer. In some Australian states, Birdair Inc. offers a scheduled umbrella cleaning and maintenance service using trained, accredited personnel. Call your local Birdair Inc. office for more details.

Note 1. Some regions have statutory bodies (eg. Environmental Protection Agency, local council authorities, landlords, etc) which issue specific requirements regarding the use of water and/or cleaning agents in outdoor areas. Birdair Inc. recommends that a check of the requirements for the site/region be made before undertaking any cleaning works.



## Cleaning Recommendations Architectural Umbrellas

Maintenance

MNT-CLN-07.10



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