

## Louvre Care And Maintenance

### Maintaining Aluminium Finishes

Regular maintenance of the surface finish will be necessary to reduce the rate of weathering. The frequency of cleaning will depend on the environmental conditions, but as a guide should be done at 3 monthly intervals, or more frequently in aggressive coastal or industrial environments.

- Remove loose deposits with a wet sponge (avoiding scratching by dry dusting first).
- Use a mild detergent in clean, warm water and a chamoise to clean louvre frames and blades. Avoid excessive amounts of water gaining entry into internal mechanisms through the handle notch. Rinse with clean water.
- Do not use any cleaning agents that contain a caustic base, abrasive materials or chemicals that can affect the surface finishes.
- To help maintain the lustre of the finish apply and wipe over with 'non-abrasive' car polish.

### Glass Maintenance

For best results glass blades should be regularly cleaned with mild, non-abrasive detergents. Low e glass blades should be installed with the coated side facing to the inside of the building and should only be cleaned with mild, non-abrasive detergents. Abrasive detergents or cleaning tools will visibly damage the low e coating.

### Timber Louvre Blade Finishes

Western Red Cedar blades are a natural material and as such will be susceptible to colour variations and natural movement. Prior to installation or exposure to weather, all timber blade surfaces must be finished with a suitable exterior grade sealant. The finish used should be 'non-tacky' or 'abrasion-resistant' to avoid blades sticking together when closed. Dark colours can cause timber movement. The surface sealant should be re-applied to the sealant manufacturer's instructions to avoid weathering of the timber and minimise timber movement. The product warranty will become void if these actions are not adhered to.

### Louvre Maintenance

It is recommended that inspection be carried out at the time of installation and then at yearly intervals. This may be required more frequently depending upon the variation of location, and environmental conditions.

#### Inspection and checks

- Inspect all screw fixings for firmness.
- Where handle connectors are used, inspect all pivot points of linkages, connecting links, pins and split pins and/or clips for wear and secure fixings.
- Ensure all louvre blades operate freely.
- Ensure that seals are in place and clean.
- The Powerlouvre™ Window should be operated at least once per month.

#### Lubrication

All internal louvre operating mechanisms are pre-lubricated, prior to assembly, with a clear lubricant where required. Under normal conditions this will be satisfactory for the life of the window.

### Lock Maintenance

The lock has been designed to be maintenance free. If the lock barrel needs to be replaced, for example to change the key types, or if the lock mechanism suffers damage, please contact the window fabricator that supplied the louvre.

### Powerlouvre™ Window Operating Conditions

Tests Passed	
Cyclical open / closed	30,000 cycles
Salt mist	1,000 hours
Extreme humidity	90% humidity at 35 °C
Extreme heat	60 °C
Extreme cold	0 °C
Electromagnetic Compatibility	Complies with the requirements of EN61000-6-3 and AS/NZS 4251.1

### Powerlouvre™ Window Maintenance

Breezway Powerlouvre™ Windows should be operated at monthly intervals. Frames should be cleaned periodically as per Breezway care and maintenance recommendations.

### Powerlouvre™ Window Opening Configurations

Powerlouvre™ Windows that are 2-9 blades high contain one motor per bay and are wired such that the entire window opens and closes simultaneously.

Powerlouvre™ Windows that are 10-18 blades high contain 2 motors per bay, one motor drives the blades in the top half of the bay and the other motor drives the blades in the bottom half of the bay. 10-18 Blade high Powerlouvre™ Windows are wired such that the blades in the top halves of all the bays form a bank that opens and closes simultaneously and the blades in the bottom halves of all the bays form a second bank that opens and closes simultaneously. The top and bottom banks can be operated independently of each other.

#### Breezway Altair™ Powerlouvre Window Opening Configurations

No. of Blades	Motors per bay	Banks of Blades Controlled from Head Downwards
2	1	2
3	1	3
4	1	4
5	1	5
6	1	6
7	1	7
8	1	8
9	1	9
10	2	5 5
11	2	5 6
12	2	6 6
13	2	6 7
14	2	7 7
15	2	7 8
16	2	8 8
17	2	8 9
18	2	9 9

