



Operation & Maintenance Manual

Director's Note

To the Home Owner,
I refer to projects located on or near the beach that require cleaning and maintenance measures to be followed to minimise the damaging affect this location can have on aluminium window, door glazing suites and hardware.

Projects located within a 15klm distance from the beach are described as being located in a Tropical/Severe weather location with comparisons to a Marine type application. These areas are described this way due to the fact that they are subject to constant deposition of salt air and sand. The salt dries onto aluminium framework, glass and hardware.

If the glazing suites are not regularly maintained, cleaned and lubricated as required to prevent the deposition of salt and sand the elements will damage the product. It is advised by Alspect that glazing suites located within these areas be cleaned and maintained at a minimum of 2 week intervals, depending on climatic conditions. Thorough regular maintenance and upkeep of the glazing suites and their components is the key to their longevity.

Houses located on the beach are also prone to windblown sand which builds up on the glazing seals and door seals. If this build up is not regularly removed before operation of the doors or windows the abrasive nature of the sand will remove the powder coating off the aluminium framework, it basically acts similar to sandpaper. The larger the doors, the heavier they are, which in turn is more weight and downward pressure on the door track. The constant point pressure of the rollers on the sill track combined with any sand or salt build up will damage the sill track to the point where it will prematurely wear the powder coat off the track.

The wear and effect in this environment as described above is a constant and a fact of life when living in beach side areas. Without constant, diligent cleaning the glazing suites will prematurely deteriorate to the point of damaging the powder coated cover-ing and hardware.

With regular cleaning and maintenance, you will enjoy the benefits of Malone Glass fitted products for many years to come.

Thankyou for using Malone Glass for your glazing requirements we appreciate your business.

If you have any queries regarding the information provided above, please do not hesitate to contact our office on 07 55249024.

Yours sincerely,

Eli Williams
General Manager
Malone Glass.

Contents

Directory of Manufacturers, Suppliers & Sub-Contractors	4
Alspec Care & Maintenance.....	5
Assa Abloy Care & Maintenance	7
Breezway Care & Maintenance.....	8
Doric Care & Maintenance	10
Halliday Baillie Care & Maintenance	12
Invisi-Gard Care & Maintenance	13
National Glass Cleaning & Protection	14
Safetyline Jalousie Installation & Maintenance	18
Shower Screen Care & Maintenance	19
Warranties.....	20
Alspec Warranty.....	21
Assa Abloy Warranty	22
Breezway Warranty	23
Doric Warranty	25
Halliday Baillie Warranty	27
Invisi-Gard Warranty	28
National Glass Warranty	29
Safetyline Jalousie Warranty.....	31

Section 2

Directory of Manufacturers, Suppliers

ALUMINIUM FRAMES

ALSPEC ALUMINIUM SYSTEMS SPECIALISTS

8-22 JUTLAND STREET, LOGANLEA

QLD 4000

Tel: 1300 130 171

e-mail: brisbane@alspec.com.au

GLASS

NATIONAL GLASS

74 ZILLMERE ROAD, BOONDALL

QLD 4014

Tel: 07 3131 3555

e-mail: sales.brisbane@nationalglass.com.au

LOUVRES

BREEZWAY LOUVRES

35 CAMBRIDGE STREET, COORPAROO

QLD 4151

Tel: 0738 470 500

e-mail: designassist@breezway.com.au

HARDWARE

DORIC

UNIT 1 / 90 PRITCHARD RD, VIRGINIA

QLD 4014

Tel: 07 3865 7637

e-mail: info@doric.com.au

LOUVRES

SAFETYLINE JALOUSIE

Tel: 1300 86 3350

e-mail: sales@safetylinejalousie.com.au

Alspec Care & Maintenance

The Alspec Guide to Care and Maintenance

A simple regular cleaning and maintenance program will ensure that the appearance and functionality of windows and doors is preserved for many years to come. Keeping surfaces free from pollutants and environmental contaminants will provide long-lasting performance whilst also maintaining the benefits of the applied surface finish.

Cleaning of Windows and Doors

External window and door frames should be washed with clean water and a mild, non-abrasive, detergent followed by a fresh water rinse. A soft clean sponge should be used to avoid scratching of the aluminium surface. Cleaning should take place at least every three months however in coastal or industrial areas a monthly cleaning program is recommended.

Sliding window and door sills should be kept free of dust and grit while the drainage slots should be regularly checked to ensure that they have not been blocked.

Abrasive type cleaners and cleaning materials must be avoided as they can damage aluminium surfaces. In addition to this the use of solvent based cleaners and etching chemicals should not be used for cleaning of window and door frames.

Cleaning Glass

Clean water with a small amount of a mild detergent should be used to wash float and toughened glass. Care should be taken to ensure that cleaning cloths are free of abrasive substances. After washing, the glass should be thoroughly rinsed with clean water to remove any detergent residue. Specialty glass types including coated, laminated, or tinted glass should be cleaned as per the glass manufacturer's recommendation.



Alspec Care & Maintenance

Cleaning Hardware

Hardware components have moving parts and will therefore require regular maintenance. Cleaning should take place at least every three months however in coastal or industrial areas a monthly cleaning program is recommended.

Exposed surfaces of hangers, hinges, pivots and brackets should be wiped down with warm soapy water and rinsed clean to remove any dust and grit. They should then be given a light spray of a corrosion preventative such as Inox followed by a light wipe to remove any excess. Drop bolts should be sprayed with a silicone based lubricant at the sliding pin inside the bolt.

Stainless steel hardware must not be exposed to chlorine based cleaning products such as bleach and hydrochloric acid (sometimes may be used for cleaning tiles and concrete), concrete dust, soap concentrate and water with high heavy metal content. Note: In extremely exposed locations regular cleaning & applications of a rust preventing lubricant should be applied as required. Frequency will depend upon climatic conditions & exposure to the elements.

Assa Abloy Care & Maintenance

IN ORDER TO GAIN THE MAXIMUM LIFE FROM YOUR ASSA ABLOY PRODUCT, CORRECT MAINTENANCE PROCEDURES SHOULD BE FOLLOWED.

The following guidelines provide recommendations for your maintenance program. It is important that maintenance be done on a regular basis. It is recommended that inspections and cleaning be done routinely – at least annually.

A shorter interval should be used in marine or other corrosive environments and in areas prone to atmospheric fallout.

- 1.The complete window or door should be inspected regularly to ensure that it is still in good working order. Such things as the faulty hinges, warped windows and doors, and or distorted frames can put excessive load on other components reducing their operating life.
- 2.Dirt, grime and airborne salt deposits are often capable of causing damage to the product's surfaces and mechanism, including the cylinder barrel, and must be regularly removed.
- 3.The following cleaning process is recommended:

- Cleaning should be done with a dilute solution of a mild liquid detergent in warm water. Avoid excessively hot solutions.
- Use a soft bristle brush or similar to clean the surface. Do not use abrasive tools.
- After cleaning, rinse surfaces thoroughly with fresh water.
- Do not use strong solvent type cleaners on surfaces. Where it is necessary to remove materials from the surface (such as adhesives and a solvent is necessary) the weakest possible solvent should be used. The only solvents recommended are methylated spirits, white spirits or Isopropanol. Ensure the contact time for the solvent is kept to a minimum and that the solvent is thoroughly rinsed from the surface. A small test area should be checked prior to solvent cleaning to ensure that no damage to the film or colour change will occur.
- Where more aggressive cleaning is required, a very mild abrasive such as a high quality automotive cream polish, used in accordance with the manufacturer's instructions,

may be necessary. The use of strongly abrasive compounds such as cutting compounds is not recommended.

- The use of bore water for cleaning is not recommended due to its mineral content, as it can bring about staining of the coating and may instigate long term coating failure.
- Ensure cleaning fluids do not penetrate into the lock or cylinder.

The use of products with soft finishes; such as gold plate, lacquered brass or chrome plate, need special care. Dirt or other contaminants must not be allowed to build up on the surface, as these will readily discolour and impair the surface.

Some change in colour, gloss or chalking may be expected dependant on exposure.

Key cylinders should be lubricated at least once a year or when there are signs of roughness when inserting or retracting the key. Remove any dirt, grime and salt deposits on and around the end of the cylinder barrel, and apply a small amount of lubricant to the keyblade and insert the key into the lock barrel to maintain a smooth action. Cylinders should be lubricated with 'Inox MX3' lubricant.

Exposed mechanisms and parts should be cleaned with a non-metallic brush. Apply a small amount of preferably Teflon based lubricant or alternatively light sewing machine 5W mineral oil to lubricate moving parts and prevent corrosion of exposed metal surfaces. Be careful not to apply an excessive amount of lubricate as this will have a detrimental effect of adhering dust to these surfaces, potentially reducing their life.

Breezway Care & Maintenance

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 by gently brushing or hosing.
- Clean using a sponge or soft brush and warm water with a mild detergent. Avoid cleaning agents with a caustic base, abrasive materials or harsh chemicals.
- Rinse with clean water.
- Dry with a chamois (optional).
- Apply a 'non-abrasive' car polish to maintain the lustre of the finish (optional).

Glass Cleaning

Glass blades should be cleaned with mild, non-abrasive detergents at maximum intervals of 3 months (more frequently in aggressive coastal or industrial environments). Breezway low e glass blades should be installed with the coated side facing the inside of the building. All glass blades should be cleaned using clean, lint-free cloths or towels and mild, non-abrasive detergent, or a mixture of 1 part vinegar to 10 parts clean water.

Fingerprints can be removed from satina glass blades using a cleaner with a 10% isopropanol detergent (eg Windex Original) and lint-free paper towel. When cleaning, the surface of the paper towel used should be changed frequently to avoid spreading fingerprints. Clean sheets of paper towel should be used to dab the satina glass dry. Abrasive or harsh detergents and cleaning tools should not be used to avoid scratching the glass or visibly damaging any low-e coatings.



Breezway Care & Maintenance

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 fittings and screw fixings for firmness.
- Ensure that all Stronghold System pins (if present) are firmly clicked in place.
- Check the louvre clips for any degradation over time.
- Check that the blade is firmly and safely positioned in the clips.
- 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.

Doric Care & Maintenance

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.

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.



Doric Care & Maintenance

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.

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

Tracks

Anodised Aluminium, Mill Finish - Wash every 12 months or 3 in more extreme conditions. Wash with weak detergent and warm water, rinse with clean cold water. Bronze, Brass - Keep free of dust and debris. Wash as above. Can be treated with minimal amount of wax polish.

Guides

Keep free of dust and debris. Wash every 12 months or 3 in more extreme conditions. Wash with weak detergent and warm water, rinse with clean cold water.

Wetline Products

Wetline products should be cleaned with a clean dry or damp cloth. If necessary glass cleaners can be used. The cleaning solution should be applied and wiped dry immediately. Avoid citrus cleaners, abrasive cleaners and solvents such as acetone, paint stripper and lacquer thinner.

Halliday Baillie Care & Maintenance

General Guide to Care and Maintenance

The FSB range of hardware from Germany is un-sprung in the rose, meaning that all the mechanism is encased in the lockset itself. The advantage of this is that you should not have a situation where a light handle spring can snap and you are left with an in-operable handle.

For Mortice Locks & Latches, Sliding Door Locks, and any mechanism with moving parts we would recommend a yearly spray with 3 in 1 oil or a CRC equivalent

For lever handles, if using Stainless Steel in external scenarios it is advisable to give a thorough clean with warm soapy water every 90 days. This will avoid tea staining (which is a light brown staining from coastal environments). Anodized aluminium used externally will require less maintenance but it is recommended to wash down every 12 months with warm soapy water.

In the case of bronze hardware, you have several options:

1. let them age and patina with time
2. give them a light wax every 6 months

Please note that the bronze FSB lever handles arrive from the factory with a light wax coating that are designed to age with wear over time. Usually the oil from your skin is enough to maintain the desired finish. For bronze please note – do not use harsh chemical cleaning products. Warm soapy water is usually enough to clean.

Invisi-Gard Care & Maintenance

Your new Invisi-Gard Stainless Steel Security Screens have been manufactured using the highest quality materials available to the security industry. Constructed from Architectural Grade Aluminium and 316 Stainless Steel Mesh, both of these metals are highly corrosion resistant and exceptionally strong. With a moderate amount of maintenance, your Invisi-Gard Stainless Steel Security Screens will retain their good looks, and resist the elements for years to come.

Invisi-Gard Stainless Steel Security Screens are the product of years of development and are designed to resist corrosion and rusting, but as with all external fixtures on your home, they require some maintenance to keep looking good and performing well. Depending on how harsh the environmental elements are, the maintenance period will vary. Refer the suggested maintenance table below.

Your Invisi-Gard Stainless Steel Security Screens should only ever need to be washed down with a soft bristled brush using warm mains water and a mild detergent.

Rinse well with mains water to remove any detergent residue paying particular attention to ensure ALL residue is flushed from the mesh retaining areas of the frame. Only mains water is to be used as recycled, bore or tank water water is unacceptable and may lead to detrimental corrosion effects. Care should be taken to avoid excessive amounts of water entering the main lock and auxiliary 3 point locks. Strong detergents and abrasive cleaners MUST NEVER be used to clean your Invisi-Gard Stainless Steel Security Screens as these may scratch or damage the surface finish and increase the likelihood of corrosion. Periodic lubrication of the main lock and auxiliary lock components should only ever be done using graphite powder. Liquid or aerosol lubricants can cause corrosion and damage the locking mechanism.

Suggested Maintenance Period Table

Environment	Recommended Max. Maintenance Interval
Mild	Six Months
Moderate	Three Months
Tropical/Severe Alspec Aluminium	Two to Four Weeks

Environmental Definitions	
Mild	Being rural, away from the coast and remote from industry and urban activity.
Moderate	Being mainly urban, inland and away from heavy industry.
Tropical/Severe	Being coastal/marine, subject to salt deposition and within 15km of the Eastern Coast or 10km of the Western Coast of Australia.

National Glass Cleaning & Protection

Films

Since National Glass has been manufacturing toughened glass, this product has been supplied with a clear semi-bonding film applied to both sides. This was done to protect toughened glass, as a value added product, during handling and transportation. Over time, customers have seized an opportunity to leave this film in situ as a site protection measure, often for long periods.

National Glass Supplies Plastic Film Coated Glass on the Following Basis:

- It should be removed within the manufacturers recommended time frame. This time frame is generally within one month of glazing and exposure to sunlight;
- If used onsite, no responsibility is taken for (1) the effects of damage to glass surface as a result of partial or full removal of the film by wind and/or rain and (2) staining that may occur as a result and (3) other contaminants that may leach between the glass and film.

Screens

Temporary screens may be required if other trades (i.e. welding, sand blasting, floor sanding and cutting) are in progress near to the glass to protect it from damaging off spray and particles.

Cleaning & Maintenance Guide

General

Carefully read and comply to any chemical agent or detergent material data sheets or instruction documents before use. When in doubt, contact the manufacturer. Try to limit their use to the very strict minimum.



National Glass Cleaning & Protection

All products containing hydrofluoric acid or fluorine derivatives are prohibited since they can damage the coating and the surface of the glass.

Highly acidic and alkaline products are prohibited, as they are abrasive products.

Ensure chemical compatibility between products used and other components (seals, paints used on the frame, aluminium, stone, etc.).

When carrying out the special cleaning regime as listed below, always start with a trial on a small area.

Do not wash glass when it is fully exposed to the sun. Avoid washing it when it is too cold or hot.

Make sure that cloths, sponges, squeegees and other tools are in good condition at all times and are free of grit.

Low-E coated – Sunergy Coated glass – the coatings on these glass products are generally more difficult to clean than ordinary non-coated glass. Running the clean palm of your hand across the surface of the glass will indicate that the coated side is more resistant or less smooth on touch than the non-coated side. Therefore, some caution should be applied with regards processing, handling, protection and cleaning of the glass.

Normal Cleaning

Ordinary Glass -

- In most cases, glass can be washed with plenty of clean water or with mild soap, detergent or recommended glass cleaner solution.
- Before starting the clean, ensure jewelery and watches are removed and gloves should be worn.
- Use only soft clean cloths, sponges free from grit.

- Flood the glass surface with selected cleaning solution or with a cloth saturated with the cleaning solution. Be generous with the amount of solution applied.
- Wipe dry with a dry, clean, lint free towel or cloth and excess cleaning solution can be removed with squeegee.
- Never use abrasive cleaners on the glass surface.
- Paint spots can attempt to be removed with a gem blade or scraper in conjunction with glass cleaner.
- Care should be taken not to damage or scratch the surface.

Low-E coated/Sunergy Glass -

- As per ordinary glass above, however, do not use squeegee on interior coated glass surfaces and avoid contact with metal objects.

Frequency

How often the glass needs to be cleaned will depend on the surrounding environmental conditions and pollution levels. Glass gets dirtier in dusty, industrial areas, in areas with lots of road traffic, near the sea or when it is not exposed to very much rain. Failure to take certain precautions when designing the facade or installing the glass can also play a role. (e.g roof glazing shall have a minimum slope of 10° vs horizontal). Glass should be cleaned frequently enough to the normal cleaning procedure described above. The recommended minimum frequency is every six months.

Special Cleaning

When normal cleaning methods are not enough, other steps can be taken:

- Before starting the clean, ensure jewelery and watches are removed and gloves should be worn.
- Oily spots, fingerprint marks, mastic or silicone stains and other organic pollution can attempt to be removed with solvents such as isopropyl alcohol or acetone applied with

National Glass Cleaning & Protection

a soft, clean cloth. Follow manufacturers guidelines and instructions before use.

- Paint spots can attempt to be removed with a gem blade or scraper in conjunction with glass cleaner. Care should be taken not to damage or scratch the surface.

Rinse thoroughly and then follow the normal cleaning procedure.

Special Instructions for Coated Glass

Coated glass – such as Low-E or Sunergy Glass have a metal oxide coating that is applied to the glass. These coatings are very resistant and durable. No particular precautions need to be taken when the coating is positioned on the inside of an insulated glass unit (position 2 or 3, i.e. in contact with the air/gas layer).

For single glazing when the coating is facing the inside of the building, the normal and special cleaning procedures described above are also suitable. However, bear in mind that a transparent and very thin metal surface is being washed and that;

- Any scratching will penetrate the surface of the coating and cannot be repaired.
- Do not use squeegee on interior coated glass surfaces.
- Any excessive mechanical treatment might remove the coating in localised areas.
- Avoid all contact with metal objects.
- Avoid all chemicals that would attack the surface and damage it irreparably.

Consequently, special care should be taken to follow the guidelines and precautions set out in this document. In areas with high levels of pollution, treatments and products supplied by experienced professionals could be a preferred solution.

Special Instructions for Acid Etched Glass

In most cases, acid etched glass can be washed with plenty of clean water and a soft sponge or glass cleaner. The following points should also be adhered to;

Never use aggressive cleaning materials such as razor blades, steel wool, abrasive materials to clean glass.

Always clean the full surface of the acid etched glass using water or glass cleaner even if only one small area of the glass is dirty. Never do spot cleaning, because it might create halos on the glass.

Once cleaned, the glass should be rinsed with clean water and wiped off all over with a soft lint free cotton cloth. If any stain still remains, repeat the sequence. Use plenty of water to avoid scratching or damaging the surface of the glass. Never try to remove impurities with a dry and/or dirty cloth, as this may cause scratches on the glass surface by rubbing impurities on the glass.

During the whole cleaning process, never apply any excessive pressure as this may damage the acid etched glass surface by polishing it too much.

Heavily soiled surfaces may be washed using a high pressure cleaning device with water temperature of at least 30°C.

Always use standard glass cleaners containing alcohol to clean the acid etched glass.

Never use products containing hydrofluoric acid, fluorine, chlorine or ammonia derivatives because they can damage the surface of the glass. Never use acidic or alkaline products as they can abrade the glass surface. Consequently, special care should be taken to follow the guidelines and precautions set out in this document. In areas with high levels of pollution, treatments and products supplied by experienced professionals could be a preferred solution.

Prevention

Taking steps to prevent the build-up of dirt is the best way to prevent cleaning problems and also to lower cleaning costs. For example:

National Glass Cleaning & Protection

During the Design Phase:

- Make sure that water drainage and discharge systems are in place to prevent runoff of polluted water over the glass. Water tends to gather pollutants as it runs over bricks, concrete, zinc, roofing materials and so on.
- Make sure that it is possible to gain access to the glass so that it can be cleaned.

During the Installation Phase:

- Prevent runoff from plaster, concrete, rust, excessive dust, etc.
- Prevent pollution and spatters of paint, facade treatment products, etc.
- Prevent metal particles from welding or grinding works to come in contact with the glass.

This kind of damage cannot be repaired.

- Where necessary, protect the glass with tarpaulin or other suitable sheeting to provide a dry, well ventilated air space.
- Do not use sealants, putties, oils, silicones that leave streaks on the glass.

Safetyline Jalousie Installation & Maintenance

Safetyline Jalousie products are manufactured from the most suitable materials and finishes available to the specification provided and when properly maintained will give many years of quality service. Failure to maintain may void the warranty.

Builder / Home Owners Please Note:

When installing windows there are some precautions you should take to ensure that the products will retain their ex-factory condition until installation is complete and the job handed over.

Windows should be stored in a clean, dry area away from cement, lime, paint, acid, etc, and must be protected from building materials and loose debris such as wet plaster, mortar, paint, welding splatter and alike.

- Store in a dry location, under cover where possible, to protect against damage.
- Carry windows in the vertical position.
- Do not rack frames out of square.
- Prevent exposure to moisture.

Aluminium

External window frames should be washed with clean water. If the product is exposed to salt air or industrial pollutants it should be washed at least every three (3) months. In rural areas where normally there is very little contaminated moisture you may not need to clean your aluminium fittings more than every six (6) months.

Aluminium requires only minimal maintenance but, like your motor car, the finish may deteriorate if dirt collects on the surface and is allowed to remain unwashed over a period of time. This is because dirt absorbs moisture present in the atmosphere.

To clean aluminium use the mildest treatment you can to produce satisfactory results. Start with warm water and soap or detergent, or for anodized material try solvent

cleaners (e.g. kerosene, turpentine, white spirit) or non-etching chemical cleaners or a wax-based polish cleaner. Keep water free from dirt and grit and ensure that the weep slots in the window are clear to allow maximum drainage.

Glass

To clean, simply wipe over the surface with a few drops of methylated spirits on a damp cloth and then polish the surface dry with a lint free cloth. Proprietary glass cleaners are not recommended as some can cause damage to Low-E coating glass and the interlayer in Laminated glass. Ensure that all cleaning cloths are free of any abrasive substances. Avoid causing extreme temperature changes as this may lead to thermal fracture of the glass (do not direct hot or cold water onto glass).

Name Plates and Identification Plates

Please leave name plates, part numbers and rating labels on products for future reference. A permanent performance label is a requirement of the BCA in all states and territories of Australia.

For further information or enquiries please contact Safetyline Jalousie on 1300 863 350.

Shower Screen Care & Maintenance

Malone Glass shower screens are covered by a 6 month workmanship only guarantee.

As mildew thrives in damp, unventilated areas, glass and frame should be wiped down after each use with a soft cloth or towel. Do not allow water to remain on the glass or metal sections for long periods of time as this can leave permanent marks over time.

For general cleaning of the shower screen we recommend that a solution of equal parts of vinegar OR methylated spirits and water be used which should assist in the removal of stubborn deposits of limescale. Harsh abrasives or general purpose cleaning agents with high bleach content should not be used as this can burn the glass. Do not use anything abrasive on the powder coated or anodised frame, just wipe down with a soft cloth.

We endeavour to make sure that every shower screen is delivered in perfect condition and with a little care and attention you can make sure the condition is maintained throughout its lifetime.

Please note: if in the instance where you are not completely satisfied with your new shower screen please notify us within 48 hours so we may rectify the problem as soon as possible.

Warranties

Alspec Aluminium	Aluminium Powdercoat	10 years
Assa Abloy	Auto Units	10 Years
Breezway	Louvres	7 years
Doric	Hardware	7 years
Halliday Baillie	Hardware	5 years
Invisi-Gard	Screens	15 years
National Glass	Glass	10 years
Safetyline	Jalousie Louvre	6 years

Please see attached documents.

Alspec Warranty

Warranty

Alspec is a member of the Australian Window Association and as such complies with an Industry Code of Conduct designed to protect consumers. Alspec fabricators are inspected by independent third party NATA accredited auditors to validate that the window and door products examined have been manufactured to the relevant Australian Standards and the legislative requirements of the National Construction Code of Australia.

7 Year Guarantee

Guarantee additional to legal rights. This Guarantee is provided in addition to any warranty or guarantee imposed by law and in particular the guarantees implied by the Competition and Consumer Act 2010 (Cth). In no way does this Guarantee seek to exclude or limit any right or remedy you have in law. However, to the extent that is permitted by law any other warranties or guarantees are excluded. For the purpose of this warranty "the product" means a window or door product ordinarily manufactured and sold by the manufacturer. Subject to the conditions and limitations below, fabricators of Alspec window and door systems guarantee that their products are of acceptable quality and free of any defect caused by the manufacturer.

Limitations

This warranty does not apply to: a) Moving parts such as rollers. b) Parts supplied by other manufacturers as separate components and where such components are warranted or guaranteed by its manufacturer or supplier those guarantees or warranties whether express or implied are assigned to whom the goods are supplied; c) Cosmetic damage; d) Damage caused by accident, misuse, transport, installation or any external cause; e) Failure to install, use and operate the product in a way that is not in accordance with the manufacturer's instructions, good building practice, relevant building standards or a use for which the product has not been designed or recommended by the manufacturer. f) Service work that is carried out by other than the manufacturer or

its authorised agents. g) Damage caused by corrosion due to environmental conditions.

Warranty Claims

Should you wish to make a claim under this guarantee you are required to first notify the manufacturer. Other than as provided by law the manufacturer will repair or replace the product to the extent that it is functionally equivalent to the product supplied.

Where a product has been repaired or replaced this warranty shall apply to the repaired or replaced product for the balance of the period provided by this guarantee.

Assa Abloy Warranty

IN ORDER TO GAIN THE MAXIMUM LIFE FROM YOUR ASSA ABLOY PRODUCT, CORRECT MAINTENANCE PROCEDURES SHOULD BE FOLLOWED.

The following guidelines provide recommendations for your maintenance program. It is important that maintenance be done on a regular basis. It is recommended that inspections and cleaning be done routinely – at least annually.

A shorter interval should be used in marine or other corrosive environments and in areas prone to atmospheric fallout.

- 1.The complete window or door should be inspected regularly to ensure that it is still in good working order. Such things as the faulty hinges, warped windows and doors, and or distorted frames can put excessive load on other components reducing their operating life.
- 2.Dirt, grime and airborne salt deposits are often capable of causing damage to the product's surfaces and mechanism, including the cylinder barrel, and must be regularly removed.
- 3.The following cleaning process is recommended:

- Cleaning should be done with a dilute solution of a mild liquid detergent in warm water. Avoid excessively hot solutions.
- Use a soft bristle brush or similar to clean the surface. Do not use abrasive tools.
- After cleaning, rinse surfaces thoroughly with fresh water.
- Do not use strong solvent type cleaners on surfaces. Where it is necessary to remove materials from the surface (such as adhesives and a solvent is necessary) the weakest possible solvent should be used. The only solvents recommended are methylated spirits, white spirits or Isopropanol. Ensure the contact time for the solvent is kept to a minimum and that the solvent is thoroughly rinsed from the surface. A small test area should be checked prior to solvent cleaning to ensure that no damage to the film or colour change will occur.
- Where more aggressive cleaning is required, a very mild abrasive such as a high qual-

ity automotive cream polish, used in accordance with the manufacturer's instructions, may be necessary. The use of strongly abrasive compounds such as cutting compounds is not recommended.

- The use of bore water for cleaning is not recommended due to its mineral content, as it can bring about staining of the coating and may instigate long term coating failure.
- Ensure cleaning fluids do not penetrate into the lock or cylinder.

The use of products with soft finishes; such as gold plate, lacquered brass or chrome plate, need special care. Dirt or other contaminants must not be allowed to build up on the surface, as these will readily discolour and impair the surface.

Some change in colour, gloss or chalking may be expected dependant on exposure. Key cylinders should be lubricated at least once a year or when there are signs of roughness when inserting or retracting the key. Remove any dirt, grime and salt deposits on and around the end of the cylinder barrel, and apply a small amount of lubricant to the keyblade and insert the key into the lock barrel to maintain a smooth action. Cylinders should be lubricated with 'Inox MX3' lubricant.

Exposed mechanisms and parts should be cleaned with a non-metallic brush. Apply a small amount of preferably Teflon based lubricant or alternatively light sewing machine 5W mineral oil to lubricate moving parts and prevent corrosion of exposed metal surfaces. Be careful not to apply an excessive amount of lubricate as this will have a detrimental effect of adhering dust to these surfaces, potentially reducing their life.

Breezway Warranty

Warranty Against Defects

Customer's Warranty

a) Subject to the Warranty Claim Procedure and Warranty Terms and Conditions outlined below, the Company warrants the goods supplied to be free of defects arising from faulty workmanship or materials for a period up to seven (7) years from the date of delivery by the Company and guarantees that services will be rendered with due care and skill.

b) The rights given by this Warranty are in addition to all other rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this Warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation application to the supply of goods and services which cannot be excluded, restricted or modified.

c) Information about the Company giving this Warranty –

i) Manufacturer's name: Breezway Australia Pty Limited

ii) Manufacturer's business address: 35 Cambridge Street, Coorparoo QLD 4151

iii) Manufacturer's telephone number: (07) 3847 0500

iv) Manufacturer's email address: sales@breezway.com.au

Warranty – Consumer Statutory Rights

(a) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

(b) Please note that the rights under the Australian Consumer Law are limited in circumstances, where the purchaser of our goods is not a "consumer". You are a consumer only if the price of the goods is below \$40,000 or the goods are of a kind ordinarily acquired for personal, domestic household use or consumption.

Warranty Claim Procedure

(a) If a defect appears in the goods within the warranty period, to make a claim under this Warranty you must, within one (1) month of the defect arising, follow the procedure outlined below:

i) Contact the supplier that sold you the goods to register a claim.

ii) The supplier will make a qualifying investigation. You must submit the following details to the Company:

a. Your name, address and phone number;

b. A copy of the proof of purchase;

c. If possible – supply photographs showing the issue claimed;

d. Clearly state the grounds for the claim and describe any relevant circumstances; and

e. An assurance that the goods have not been damaged, incorrectly assembled, installed or operated, negligently treated, or misused. Any false representation may void your claim and constitute a breach in law.

(b) You will be contacted by a representative of the supplier who will arrange for the goods to be inspected and respond to bona fide claims in a timely manner.

(c) You may be required to make the goods available for inspection Mon – Fri between 9am – 5pm.

Warranty Terms and Conditions

(a) This Warranty is conditional on and the Customer is responsible for the correct installation and maintenance of the goods as set out below. The correction of any non-product fault or problem is not covered by this Warranty.

i) The goods are installed in accordance with the manufacturer's Product Performance Warranty, industry specifications for aluminium finishes, written installation specifications, good building practice and with all relevant Australian or New Zealand Standards;

ii) The goods have been maintained according to the Company's and industry recommendations;

iii) The goods have not been subject to transport damage, installation faults, accident, misuse, physical abuse or neglect; and

Breezway Warranty

iv Timber goods are to be sealed by the Customer (within one (1) month of delivery) with two (2) coats of paint, varnish or sealer to both faces and edges including top and bottom. Exterior quality finishes in light reflective colours (NOT dark colours) must be applied to all goods exposed to direct sunlight or the elements.

(b) Manufacturing standards and tolerances are not deemed defects, nor are industry variations in colour of aluminium, plastic and timber componentry.

(c) The Company accepts no responsibility for glass breakage (except for faulty workmanship or materials).

(d) All electrical components are guaranteed for three (3) years.

(e) Only repairs carried out by the Company's personnel or authorised agents are covered by this Warranty.

(f) The Customer will be responsible for the costs associated with making any warranty claim.

(g) Any goods repaired or replaced under this Warranty will be warranted in accordance with the provisions of this Warranty for the remainder of the original warranty period or 12 months from the completion of the repair or replacement of the goods, whichever is greater.

(h) Where this Warranty does not apply, the Customer's rights are limited to the Customer's non-excludable Statutory Rights.

Limitations of Customer's Rights (Non-Consumer)

In respect of any goods or services provided by the Company which are more than \$40,000 or which are not of a kind ordinarily acquired for personal domestic or household use or consumption, unless the Customer establishes that the following limitation would not be fair and reasonable, the liability of the Company will be limited to any of the following as determined by the Company:

a. In the case of goods, any one of the following as determined by the Company:

(i) the replacement of the goods or the supply of equivalent goods; or

(ii) the repair of goods; or

(iii) the refund of moneys paid;

b. In the case of services, one of the following as determined by the Company:

(i) the supplying of the services again; or

(ii) the refund of moneys paid.

c. The Company will not be liable for any indirect loss or damages whatsoever including consequential loss, loss of profits, loss of opportunity or loss of use.

d. This Warranty is limited to the repair or replacement of the faulty product at the Company's discretion, but does not extend to the installation or refinishing of a replacement product.

To the full extent permitted by law, but subject always to the above terms:

(a) all conditions and warranties not expressly contained herein are hereby expressly negated and excluded; and

(b) the Company's liability for any breach of contract or for any negligent act or omission is limited to the cost of replacement of the goods or supply of equivalent goods and shall not extend to consequential loss, loss of profits or any liability for damage to property or death of or injury to persons howsoever caused.

Doric Warranty

Warranties:

Doric Products warrants its products to be free from defects in material and workmanship for a period of seven (7) years from the date of purchase.

This warranty is limited to Doric's option to the repair, or at Doric's option, the replacement of any products proven to be faulty in manufacture or materials, with the same or equivalent product free of charge. Labour charges, transportation and other costs associated with the replacement or re-installation of the parts or product are excluded from this warranty and will not be paid by Doric Products.

Doric Products assumes no liability under the warranty for the following:

- Misuse, abuse, accidental or intentional damage,
 - Improper or negligent adjustment or operation by the purchaser,
 - Improper or negligent maintenance or installation,
 - Inaccurate or incorrect site or operational specifications,
 - Repair or modification other than as authorised by Doric Products,
 - Use contrary to the instructions furnished by Doric Products,
 - Use of replacement parts other than authorised parts,
 - 'Tea Staining' on stainless steel,
 - Corrosion related damage when used in a corrosive environment,
 - Tarnish or excessive wear on soft finishes such as brass or bronze as deterioration is possible under some climatic conditions, frequency of use or other factors.
- Soft Finishes:-
1. It is important to note that soft finishes will age (deteriorate). The speed of aging will depend on the climatic location and the amount of use.
 2. Tarnishing is a fact of soft finishes. The speed of tarnishing will depend on the climatic location and the amount of use
 3. All soft finishes are easily damaged by chemicals such as cleaning solvents, glass cleaners, brick acid and many other chemicals. Use of these chemicals will damage the finish.

4. Due to the above points Doric Products assumes no liability under this warranty for aging or damage to soft finishes

To the extent permitted by law, this warranty is the only warranty granted by Doric Products and is in lieu of all other express or implied warranties or guarantees. There are no implied warranties or as to the merchantability, quality or fitness for purpose other than for the purpose they were designed for. In all other respects the standard terms and conditions of Doric Products apply. The customer expressly acknowledges and agrees that it has not relied upon, and the company is not liable for any advice given by the Company, its servants, agents, representatives or employees in relation to the suitability for any purpose of the Goods.

The provisions of any act of law (including but not limited to the trade practices Act 1974) implying terms, conditions and warranties, or any other terms, which might otherwise apply to arise out of the agreement between the company and the customer in relation to the goods (the "Agreement"), are hereby expressly negated and excluded to the full extent permitted by law.

Doric Products goods are available in a range of durable quality finishes obtained by careful processing and rigid specifications and standards.

When selecting a finish, it is important that climatic conditions and frequency of usage be taken into consideration, as some finishes are more susceptible to deterioration than others.

This warranty shall be interpreted in accordance with and governed by the laws of New South Wales, Australia.

Important Coastal Information

Coastal environment is extremely harsh on finish and materials. Doric Products strongly recommends that any building situated within 5 kilometers of the coast or affected

Doric Warranty

by direct coastal breeze, should only use Polesium™, aluminium or 316 grade stainless steel hardware. Doric Products recommends that all its products exposed to harsh climatic conditions should be washed and cleaned every month with a mild detergent to stop salt build up and all cylinders should be lubricated with a suitable graphite powder as Doric Products will not replace inappropriately placed hardware.

On discovery of any defect in goods, the customer must immediately notify Doric Products in writing of such defect. The customer must not carry out any remedial work to allegedly defective goods without first obtaining the written consent of the company to do so.

Halliday Baillie Warranty

Warranties:

Halliday Baillie Product Liability and Warranties – 5 Year Warranty Period

All Halliday Baillie Products:

1) All goods sold are warranted to be free from defects in material and workmanship, the foregoing comprises seller's sole and entire warranty provided:

a) The Company has been notified within two years of the purchase date of defects in any trim or locking mechanism, and been given the opportunity of inspection by return of any alleged defective Product to the Company, free and clear of all liens and encumbrances, transportation prepaid, accompanied by the statement of defects and proof of purchase; and

The Product has not been modified, abused, misused, or improperly installed, maintained and/or repaired during such period. All other warranties, written or oral, expressed or implied, and including but not limited to warranties of merchantability or fitness for intended purpose, are expressly excluded.

2) Seller's sole obligation under these warranties, during the period after date of manufacture as listed above, shall be to issue credit, repair or replace any item or part thereof which is proved to be other than as warranted. Seller shall have the sole right to determine whether such parts shall be repaired or replaced or whether credit shall be issued. No allowance shall be made for any labour charges for replacement of parts, adjustments or repairs, or any other work. In no event shall seller be liable for collateral or consequential damages. Should there be any reason to contact us either within the 2 year time period or anytime beyond this period please contact the undersigned.

FSB Germany Product Liability and Warranties – 10 Year Warranty Period or as Stated

Locks and Latches:

The locks and latches have a mechanical warranty of 10 years not withstanding normal wear and tear, and providing that they have been correctly installed and have not

un-assembled or tampered with during the period.

Lever Handles:

Lever Handles also have a mechanical warranty of 10 years not withstanding normal wear and tear.

This Warranty is limited to the repair or replacement of the faulty product at the Company's discretion, but does not extend to the installation or refinishing of a replacement product. To the full extent permitted by law, but subject always to the above terms:

- (a) all conditions and warranties not expressly contained herein are hereby expressly negated and excluded; and
- (b) the Company's liability for any breach of contract or for any negligent act or omission is limited to the cost of replacement of the goods or supply of equivalent goods and shall not extend to consequential loss, loss of profits or any liability for damage to property or death of or injury to persons howsoever caused.

Invisi-Gard Warranty

Aluminium Specialties Group Pty Ltd A.B.N 63 001 252 259 ("Alspec") offers the following warranty to the original purchaser ("Purchaser") of the Invisi-Gard Stainless Steel Security products (the "Products").

Under the normal conditions of use in a residential - non commercial application, Alspec warrants for a period of 15 Years from the date of delivery, the Aluminium Framing and Stainless Steel Mesh components of your Products, to be free of defects in manufacturing and workmanship, when fabricated and installed in accordance with the Invisi-Gard Fabricator Manual (the "Warranty"). The 15 year warranty is effective for all new installations from 1st July 2014.

As with any valued purchase, effective maintenance is essential to prolonging the life of your Products. To maintain your rights as stated in this Warranty, the care and maintenance instructions on the reverse of this Warranty must be followed.

To be eligible to make a claim under this Warranty, the Purchaser must provide a proof of purchase and installation to the Invisi-Gard fabricator and/or Alspec. To make a claim pursuant to this Warranty, the Purchaser must make initial contact with the licensed Invisi-Gard fabricator, details of which are set out on the reverse of this warranty. In the event that the original Invisi-Gard fabricator cannot be contacted, the Purchaser must then contact Alspec for further assistance on 1300 ALSPEC (1300 257 732) during business hours or notify Alspec in writing at: PO Box 262, Horsley Park, NSW 2175.

The Purchaser must pay all expenses related to making a claim under this Warranty.

This Warranty does not apply to damage as a result of abuse, accident, fire, Purchaser disassembly or alteration of the Product in any way, installation of non original parts, failure to comply with Product safety instructions / warnings, act of God, or failure of the Purchaser to follow the care and maintenance instructions on the reverse side of this Warranty. The Warranty does not apply to hardware fitted to the door such as locks, hinges and closers.

In the following statement "Our" means Alspec, "You" means the "Purchaser" and "goods" means Invisi-Gard Stainless Steel Security products.

National Glass Warranty

Toughened Glass and Heat Strengthened Glass

The following Warranty in respect of Toughened Glass and Heat Strengthened Glass ("the Product") is provided by the following: National Glass Pty Ltd– 166 Granite St Geebung Q4034

Warranty Period and Details

Subject to the provisions of this Warranty, National Glass warrants that the Product shall, for a period of 10 years from the date of manufacture:

(a) Remain free from visible or visual defects, inclusions or faults which can be seen from a distance of at least 3 metres and which are not within the acceptable limits set out in AS4667 Australian Standard Quality requirements for cut-to-size and processed glass.

Warranty Coverage

This Warranty is to be read in conjunction with and is subject to the National Glass "Terms and Conditions of Sale" in force at the time of sale. In the event that the Product fails to meet the terms of the Warranty and such failure is caused by the direct result of a defect in the material or manufacture of the Product, National Glass will at its option replace the Product or refund the original invoice value of the Product.

Conditions

The Warranty is further subject to the following conditions:

(a) The Warranty applies only to the Product in the size, shape and form supplied by National Glass to the Buyer. Any Product undergoing subsequent cutting, edge working, processing or any further alteration shall be excluded from this Warranty.

(b) The Buyer acknowledges that the Product at the time of delivery was undamaged and free from any defects.

(c) The Product is protected from contact with wet cement, hard foreign objects, metals and materials likely to cause abrasive damage.

(d) The installation, cleaning and maintenance of the Product is entirely in accordance with National Glass recommendations as published in National Glass literature and any specific correspondence pertaining to this installation, and the glass components are not damaged in any way before or during installation.

(e) The Product is not exposed to chemical fumes or gases other than those present in normal clean atmospheric air nor is subject to prolonged exposure to water or moisture, nor is exposed to radiation of any type other than normal sunlight.

This Warranty does not apply where the Product has been used in any manner not in accordance with the conditions of this Warranty or the manufacturer's instructions, and will not cover any damage to a Product, or any other loss, which may be sustained as a result of the placement of any other materials on the Product by any party other than National Glass or its authorized representative. This includes, but is not limited to, adhesive or security films, hydrophobic coatings, harsh or abrasive cleaners, paints, adhesives, marker pens, signage or advertising materials, or protective materials.

Reporting and Verification of Product Failure

National Glass has the right to establish to its satisfaction that the Product defect or failure is in accordance with the above Warranty and that all of the above conditions have been met. Any failure of the Product shall be reported immediately to National Glass. If failure of the Product is not notified to National Glass within seven days of failure, the Buyer shall be deemed to have waived all rights under the Warranty (subject always to the full terms and conditions of sale).

Products must not be returned without the prior agreement of National Glass. National Glass may require the Product to be examined in situ to determine the cause of the failure. All expenses of claiming in respect of this Warranty will be borne by the person making the claim. National Glass may require documentation supporting the claim to be provided.

National Glass Warranty

Exclusions

The Warranty specifically excludes any consequence of glass breakage from any cause other than defective material or manufacture of the Product up to the specified design wind pressure as determined in accordance with Australian and New Zealand Standards AS/NZS 1170.2 and AS1288 and specifically excludes any consequential liabilities following installation.

Warranty of Replacement Product

Any replacement Product supplied pursuant to this Warranty shall be warranted only until the expiration of the Warranty period for the original Product.

Safetyline Jalousie Warranty

Guarantee

Safetyline Jalousie is a member of the Australian Window Association and as such conforms to an Industry Code of Conduct designed to protect consumers. Safetyline Jalousie is inspected by independent third party NATA accredited auditors to validate that the window products examined have been manufactured to the relevant Australian Standards and the legislative requirements of the National Construction Code of Australia.

6 Year Guarantee

Guarantee additional to legal rights.

This Guarantee is provided in addition to any warranty or guarantee imposed by law and in particular the guarantees implied by the Competition and Consumer Act 2010 (Cth). In no way does this Guarantee seek to exclude or limit any right or remedy you have in law. However, to the extent that is permitted by law any other warranties or guarantees are excluded. For the purpose of this warranty "the product" means a window product ordinarily manufactured and sold by the manufacturer. Subject to the conditions and limitations below, Safetyline Jalousie guarantees that its products are of acceptable quality and free of any defect caused by the manufacturer.

Limitations

This warranty does not apply to:

- a) Moving parts – a three-year warranty will apply on moving parts which wear out as part of normal use.
- b) Electrical Components – a one-year warranty will apply for the LDF100 Louvre Drive and a three-year warranty for the TJX3701 Internal Drive.
- c) Parts supplied by other manufacturers as separate components and where such components are warranted or guaranteed by its manufacturer or supplier those warranties or guarantees whether express or implied are assigned to whom the goods

are supplied.

d) Cosmetic damage.

e) Damage caused by accident, misuse, transport, installation or any external cause.
f) Failure to install, use and operate the product in a way that is not in accordance with the manufacturer's instructions, good building practice, relevant building standards or a use for which the product has not been designed or recommended by the manufacturer.

g) Service work that is carried out by other than Safetyline Jalousie or authorised Safetyline Jalousie agents.

Warranty Claims

Should you wish to make a claim under this guarantee you are required to first notify the manufacturer. Other than as provided by law the manufacturer will repair or replace the product to the extent that it is functionally equivalent to the product supplied but excludes any installation costs. Where a product has been repaired or replaced this warranty shall apply to the repaired or replaced product for the balance of the period provided by this guarantee.



Malone Glass

07 5524 9024

admin@maloneglass.com

7 Parkside Drive Tweed Heads South NSW
2486