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OMEGA WINDOWS AND DOORS PRODUCER STATEMENT & TECHNICAL SPECIFICATIONS

I. THE COMPANY: -OMEGA WINDOWS AND DOORS.

Omega Windows and Doors is a division of McKechnie Aluminium Solutions Limited, which combined many Years of experience to deliver high quality products to our customers

Omega Industries was established in 1978. Owned and operated by L.W. Hoyle Limited, Omega rapidly developed a reputation for quality and elegance in aluminium joinery. Omega was acquired by McKechnie Aluminium Solutions Limited in 2012

Since its establishment in 1953 McKechnie have earned a reputation as a specialist in transforming aluminium to meet the demands of markets around the world including Europe, North America, Australia, New Zealand and the Pacific Islands.

McKechnie Aluminium Solutions Limited is a current member of the Window Association of N.Z. Inc.

II. QUALITY STATEMENT

Omega has a reputation for quality and design elegance in aluminium joinery in New Zealand and the Pacific for over 25 years. With a close relationship with its clients, Omega designs are kept to the forefront of what's available in the market. The aluminium joinery is designed to be aesthetically pleasing and exceptionally functional

III. BUILDING CODE COMPLIANCE

Omega aluminium joinery for windows and doors not only meet, but in most cases exceed, requirements of the NZ Building Code Means of Compliance.

- NZS 4211: 2008 Specifications For Performance Of Windows
- NZS 4223 Glazing In Buildings, Parts 1, 2 and 3.

Omega aluminium joinery has been designed and successfully tested to perform under extreme wind pressures appropriate by independent engineers for any wind zones in New Zealand and the Pacific Islands. Tests have been conducted in a telarc registered testing booth to very high wind loadings giving air and water infiltration at specified loadings in accordance to NZS 4211:2008. Omega windows meet the stringent requirements for waterproofing and air leakage and have the correct glass to cope with expected wind loads and accidental human impact.

IV. WARRANTY

Omega guarantees all of its products under normal conditions of use against failure of materials for five years from date of delivery. This includes all aspects of the supplied joinery given normal maintenance over this time.

V. FURTHER ASSISTANCE

If you need further assistance, or are unsure about any aspect of the care and maintenance of your anodised or powder-coated aluminium joinery, please contact your local Omega aluminium window and door manufacturer.

VI. TECHNICAL SPECIFICATIONS : OMEGA ALUMINIUM JOINERY PRODUCTS

- **DESIGNING:** Omega aluminium joinery units have been architecturally designed to the highest quality specifications for commercial and high quality residential applications and are purpose made to architectural specifications to any combination of size or type.
- **MATERIALS:** All aluminium sections are produced from high purity 6060-T5 Aluminium Alloy mechanically forced through a die to form the desired extruded shape. The aluminium is soft & ductile and its strength and hardness are acquired with the addition of various alloying elements. When the lengths of extruded aluminium have been through an aging process, they are sent to Omega's warehouse for distribution.
- **FINISH:** Omega aluminium joinery can be finished in natural or bronze anodised finish. Or factory pre-finished in long lasting durable electrostatically applied powder-coating which comes in a range of finish colours. All anodised sections are satin anodised to comply with NZS 3503 to a film thickness available at 12.5 – 15 – 20 – 25 microns.
- **FABRICATING:** Omega is represented throughout New Zealand and the South Pacific by locally owned and operated independent fabrication businesses. Their local knowledge of weather conditions and statutory requirements gives them the edge when it comes to professional advice. Strict technical instructions on fabrication methods ensure standards are of the highest levels.
- **INSTALLATION DETAILING:** Omega aluminium windows and doors are supplied complete with fully recognised architectural hardware and where required full installation details will be provided.
- **INSTALLATION:** Before installation the main contractor will insure that all openings shall be true and square ready for site measure. The window frames are sealed with a continuous non hardening approved sealant to the perimeter giving a full waterproof installation and fixed in accordance to strict trade practice.
- **MANUFACTURE:** The corners of frames and sashes are sealed with approved small joint sealant and mechanically jointed with stainless steel screws fixed into integral traces within the section. Where applicable corner staking angles and gussets are fitted and all joints left flush and water tight in accordance with strict trade practice and the manufacturer's recommendation.
- **HARDWARE:** All fasteners, catches, stays etc. are forged, cast or extruded from non ferrous materials finished in satin chrome. BMA - Electro Bronze and powder-coat Enamel.
- **GLAZING:** All glass thickness to comply with NZS. 4223. Glazing is held in by P.V.C. wedge gaskets to the perimeter of glass and snap in beads that clip into the window frames.
- **WEATHER STRIPPING:** All opening vents close against a continuous P.V.C. compression gasket held integrally into the window frame insuring complete weather tightness.
- **PROTECTION AND CLEANING:** After installation the window frames are cleaned down ready for other trades. A protective coating is available, if specified. The main contractor will be responsible for protection and damage, and for final clean down.

TECHNICAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE!

CARE & MAINTENANCE

I. EXTENDING THE LIFE OF ANODISED & POWDER-COATED ALUMINIUM PRODUCTS

To comply with warranty requirements and to extend the effective life of anodised & powder-coated aluminium products, a regular maintenance program should be implemented.

In general, cleaning should take place every six months. Although, in high pollutants areas such as industrial areas, geothermal areas or places near the sea, a more frequent cleaning program should be carried out – i.e. every three months. The effects of ultra violet light, atmospheric pollution, airborne salt deposits, moisture & grim can all accumulate over time and should be removed at regular intervals.

- THREE STEPS TO CLEANING ALUMINIUM JOINERY:
 - Carefully remove any loose deposits with a wet sponge.
 - Use a soft brush (non abrasive), warm water and a mild household detergent solution to remove dirt, dust, salt and other deposits.
 - Thoroughly spray gently off with clean fresh water and dry the glass to avoid any marks developing – avoid forcing water into the building with hose pressure.

- DO NOT USE:
 - Do not remove grime by the use of highly abrasive materials such as sand paper or steel wool.
 - Avoid using scrapers or similar tools on window glass as it can cause scratches that cannot be repaired.
 - Avoid using chemicals, especially chemical cleaners.
 - Ensure all solvents are kept from contact with vinyl glazing gasket materials, as most solvents damage glazing gaskets.

II. REMOVING DEPOSITS & SPLASHES

Remove immediately any fresh splashes of paint, concrete, plaster, mortar or sealants with a soft cloth soaked in water –

Keep all solvent chemicals well away from other parts of the windows to avoid possible chemical attack which may not become obvious for months or years.

III. CLEANING ANODISING PRODUCTS

Acid or alkaline cleaners should not be used, as these will damage the anodised finish and may discolour coloured joinery. Emulsion cleaners, proprietary chemical agents and solvents may also attack the anodised coating or surrounding window components and therefore they should never be used except in consultation with companies specialising in the cleaning of anodised aluminium. Stubborn grime deposits may be careful removed using of a mild abrasive such as a fine grade of pumice powder and water.

IV. CLEANING POWDERCOATED PRODUCTS

Some strong solvents such as used for thinning paints or cleaning up mastics and sealants are harmful to the extended life of the powder coated surface and should not be used for cleaning purposes. Do not to use common solvents such as petrol, Acetates, Dulon Thinners, and Methyl Ethyl Ketone (MEK) or highly acidic, alkaline, common household solvent or alcohol-based cleaners. This also applies equally to other components that make up the window or door.

V. CHEMICAL WARNING

Using any solvents on your joinery puts it at risk – Always immediately rinse thoroughly the entire area with copious quantities of clean water paying particular attention to flushing debris and residues from crevices, joints and drain holes and then dry the glass to avoid any marks developing.

VI. REFURBISHMENT OF FINISHES

All surfaces eventually degrade on prolonged exposure to the elements. Change of colour, loss of gloss and some chalking may eventuate after time. For domestic refurbishment of anodized & powder-coating products, we recommend polishing with a high quality automotive cream polish in accordance with the polish manufacturer's instructions. Avoid polishes which also contain cutting compounds, unless the surface is extremely weathered. For badly scratched surfaces use a dab stick or aerosol can with colour matched paint.

TO CONTACT US

If you have any inquiries please contact either Omega Industries Head Office or your local Omega aluminium window and door manufacturer.

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o YOUR LOCAL OMEGA AGENT

Go to www.omegawindows.co.nz for a full list of Omega manufactures situated throughout New Zealand and the Pacific Islands.