

**MSDS**  
**Aluminium**  
**Partitioning**  
**Systems**

# Material Safety Data Information

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## Handling and Storage

Aluminium extrusion should be handled in accordance with the recommendations contained in AS1470 – Health and Safety at Work Principles and Practise. Where mechanical lifting or moving equipment is required, trained and licensed operators are to be used. Metal products should be stored in an environmentally-friendly area away from airborne contaminants such as acid and salt sprays.

## Safety

It is our recommendation that protective clothing should be worn when handling aluminium/metal products (AS 2161 – Occupational Protective Gloves) and that they should be checked regularly for damage. People with sensitive skin conditions should seek medical advice before prolonged handling of metal products; hands should be washed before eating and for personal hygiene. Non-fogging goggles (AS/NZS 1336) should be worn when cutting metal sections.

## Site Training

It is the responsibility of the contractor to ensure his employees are trained in onsite O.H.S. procedures as these can vary from site to site.

## Flammability

Non-flammable.

# Applicable Standards

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## Building Classifications

The classification of a building is determined by the purpose for which it is designed, constructed or adapted for use. The BCA is the national referencing body. The Building Code of Australia (BCA) is produced and maintained by the Australian Building Codes Board (ABCB) on behalf of the Australian Government and State and Territory Government. The BCA is a uniform set of technical provisions for the design and construction of buildings throughout Australia. It allows for variations in climate and geographic conditions. For windows, doors and glazed assemblies, performance requirements are satisfied if they are designed and constructed in accordance with AS2047. For glazed assemblies not covered by AS2047 compliance to AS1288 is required.

# Aluminium Finishing

Criterion Aluminium Partitioning MSDS

## What is Powdercoating?

Powder coating is a type of coating that is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and a powder coating is that the powder coating does not require a solvent to keep the binder and filler parts in a liquid suspension form. The coating is typically applied electrostatically and is then cured under heat to allow it to flow and form a "skin".

Criterion provides high quality powdercoat finish with exceptionally fast turnaround times. Our coverage includes all colours of the spectrum which are supplied by Dulux and Interpon.

## Powdercoat Care and Maintenance

Cleaning is desirable if the fine finish of powder coated aluminium is to be preserved. Deterioration of the coating occurs mainly as a result of grime deposition and attack by moisture, which in a coastal environment contains chlorides and sulphur compounds. Deposited grime absorbs contaminated moisture like a sponge and holds it against the powder coated surface; this permits the attack to proceed thereby damaging the coating, which cannot be restored without removal.

## What is Anodising?

Anodising is an electrolytic passivation process used to increase the thickness of the natural oxide layer on the surface of metal parts. The process is called anodizing because the part to be treated forms the anode electrode of an electrical circuit. Anodizing increases corrosion resistance and wear resistance, and provides better adhesion for paint primers and glues than does bare metal. Anodic films can also be used for a number of cosmetic effects, either with thick porous coatings that can absorb dyes or with thin transparent coatings that add interference effects to reflected light.

## Anodise Care and Maintenance

All aluminium surfaces should be kept clean by prompt removal of all dust, dirt, grime and any foreign matter using clean water and a small amount of mild detergent as required. Do not under any circumstances use any abrasive type cleaning agent (Ajax or similar) or any abrasive cleaning material such as steel wool or the like as this will severely damage the anodised surface. Thoroughly wash off any residue of detergent with clean water.

## Anodise Standards and Warranties

- All coatings are produced and tested in accordance with Australian Standards AS 1231 Aluminium and Aluminium Alloys – Anodised coatings for architectural applications
- Protective and resistant to salt corrosion
- Increases the natural corrosion resistance of aluminium
- Will not chip, flake or peel
- Protective coverage of entire aluminium section

# Care and Maintenance

Criterion Aluminium Partitioning MSDS

Your new Criterion aluminium system has been manufactured using the highest quality materials available to the Architectural industry. Constructed from Architectural grade aluminium, these products are highly corrosion resistant and exceptionally strong. With a moderate amount of maintenance the Criterion aluminium system will retain its appearance and resist the elements for years to come. The Criterion aluminium systems are products of extensive research and development and designed to resist corrosion and rusting, but as with all external elements on the building require some maintenance to keep them looking good and performing well. Depending on how harsh the environment elements are, the maintenance period will vary. Refer to recommended maintenance table below.

## Suggested Maintenance Period Table

Environment	Recommended Maximum Maintenance Interval
Mild	6 Months
Moderate	3 Months
Tropical/Severe	1 Month

## 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** – Being coastal/marine, subject to salt deposition and within 10km of the Australian coast.

## Disclaimer

Any information, support or advice made available and specified by Criterion in relation to our products or applications for our products is provided in good faith and is understood by Criterion to be suitable, however excludes any legal responsibility on Criterion's part.

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