

A cost effective solution for projects on a budget, the Designline Series still offers many features

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Autex PSL confirms that this minimum level of assurance has been met or exceeded by the following:

PSL Innovative Aluminium

[Technical Data](#)

Technical Statement

Product Description

Designed for ease of use and quality second to none. The DesignLine system offers a glazing section 45mm wide and 25mm high. The system has many options and can be used along side all of our other ranges.

Specifically designed for 64mm steel stud and a slimline glazing and door system for a cost effective fit out. This system has been used extensively across the country in offices, apartments, administration centers and many other applications.

- 80% Recycled aluminium content
- New Zealand Made
- New Zealand owned and operated
- Proven history, fit for purpose
- Easily take 12.8 lam glass
- Premium Niche Anodised finish is our standard finish
- Large stock holding to ensure project time lines

Scope of use

Our DesignLine system has been designed for the everyday office space, it has been used in 1000's of office fitouts across New Zealand.

Generally suited to ceilings under 2.8m with smaller glazing runs, although the system can perform at greater heights and wall lengths. Talk to us for the best result.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2
- **Clause B2 Durability:** Performance B2.3.1(b)
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

PSL Innovative Aluminium

[Technical Data](#)

Use in Service History

PSL have been supplying aluminium systems to the New Zealand construction sector for over 20 years

Product Criteria

Design requirements

DesignLine is designed for interior use, ideal for ceiling heights 2.7m. although can be used at greater heights. Length of glazing runs will be determined by glazing standards.

Glazing sections are 45mm x 25mm, there is a wide range of headsections to suit stud and lining selection. Specifically designed sections to take door jambs to glazing. Mullions and transoms complete the range.

All items can be anodised or powder coat finished.

Selection of acoustic insulation will effect the STC ratings along with plasterboard selection



masterspec partner

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Installation requirements

Glazing bar will ideally be fixed to headsection for best seismic result, headsections for flush walls should be secured by seismic restraints such as Tracklok.

We have a wide range of jointers and splice plates for every type of installations.

Maintenance requirements

Anodised aluminium should be washed down with warm water & a mild soap solution. Fine brushes may be used to loosen attached grime - the use of anything stiffer or abrasive may result in damage to the surface. Acid or alkali cleaners should not be used, these will damage anodic films & may discolour coloured joinery. Where greasy deposits are present, cleaning of the anodising maybe by means of a soft cloth dipped in white spirit, or a mild liquid scourer followed by wiping with a dry rag. Make sure no solvents come into contact with other parts of the window.

NB: Solvents must be kept from contact with the vinyl glazing gaskets. It is essential to rinse after cleaning with copious applications of clean water particularly where crevices are present and then dry the glass to avoid any marks.

Recommended:

Rural: Every 6 months

Urban: Every 3 months

Industrial & Marine environments: (within 1 km of the sea): 6 monthly warm water detergent wash, as well as monthly cold water washing.

Warrantees

WARRANTY - MANUFACTURER/SUPPLIER

5 years For materials

WARRANTY - INSTALLER/APPLICATOR

1 year For execution

- Provide this warranty on the installer/applicator standard form.

- Commence the warranty from the date of practical completion of the contract works.

Company Product Information

Environmental

Our aluminium profiles are extruded in New Zealand by McKechnie Aluminium Solutions. All sections have a minimum of 80% recycled content. Recycled aluminium is re melted on site and use only 5% of the energy used for to produce Alumina.

They also have [EnviroMark Diamond status and have ISO14001 Environmental Management accreditation](#)

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



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