DoorLeaves™

NewYorker®

CS DoorLeaves is a range of aluminium framed and skinned architectural doors. They can be made to over-height and over-width sizes, and being aluminium, are unlikely to bow, warp, rust or rot. CS DoorLeaves arrive pre-finished (hardware can also be pre-fitted), ensuring time and money is saved.

The **CS NewYorker®** is a stylish pre-finished aluminium framed door with no visible screws or fastenings. It's an extremely versatile door - ideal for **cavity sliding, surface sliding, hinged** and other applications.

CS NewYorker is a modern aluminium framed door available in a range of colours and finishing options.

CS manufactured door leaves come with a **five year warranty**, making the CS NewYorker a suitable alternative to timber doors when a door over 1020mm wide is required.

The framing can be finished in a range of colours (either anodised or powder coated) with a choice of glazing options and lighting configurations available.

1 - CS NewYorker black powder coated 4-lite door with grey laminate glass.

GROUP
Innovative door solutions

The door for all APPLICATIONS...

Cavity Sliding Doors

Surface Sliding Doors

Hinged Doors

Pivot Doors

Wardrobe Doors

Why specify CS DoorLeaves?

Quality

Our aim is to make the best quality door leaves. Every component is uniquely designed with this in mind.

Technology & Innovation

Our engineers focus on constantly developing new products and refining existing ones. That's why our products come with a number of unique features.
A few exclusive CS NewYorker features (refer to pics below):

1. The front stile is deep enough to take most mortice back sets. It has a neat clip-in clashing that covers any screw holes and also matches the face plate width of most locks.
2. The perimeter frame has no visible screws or fastenings.
3. Vertical stiles and horizontal rails have been designed with thicker than normal wall sections to take our standard carriage mounting plates. This allows the doors to be manufactured to large (over-width and over-height) sizes.
4. Centrally glazed - so there are no unsightly clip-on glazing beads.

Front edge of CS NewYorker with CL100 mortice lock fitted**

Section through CS NewYorker top and bottom rail (Patent Pending)

Our Guarantee

WE GUARANTEE PRODUCT WITH OUR SERIAL CODES FOR UP TO FIVE YEARS*

* Five year warranty applies to doors manufactured by CS GROUP. Guarantee conditions apply. Contact CS for details.

Product Range

We have over 50 standard products or if you have other ideas, we can make to order.

**Patent Pending.

Check out the full range of products online:

www.csfordoors.co.nz or www.cavitysliders.com.au

CS NewYorker®

Cavity Sliders

Originally designed for sliding into our cavity pockets, the CS NewYorker is the perfect solution for cavity sliders. Unlike timber doors, which can bow and scrape along the inside of the cavity pocket, the aluminium framed CS NewYorker doesn't bow or warp and is covered by our 5 year guarantee.

The inherent strength in the design means over-sized doors can be made for use in large corner meeting units or large cavity sliders that are being specified to divide large spaces.

2 - Natural anodised 4 horizontal lite CS NewYorkers with clear toughened glass in a Bi-Parting CS TimberFormed cavity slider.

3 - White powder coated 5 horizontal lite CS NewYorkers with clear glass in corner meeting CS OvertakingDoors cavity sliders.

Surface Sliders

The CS NewYorker is also the ideal solution for surface sliding applications. It has been used as a feature in many commercial projects in a fixed/slide/slide configuration and can really make a boardroom or office fit-out complete. CS has a range of track systems for a complete surface slider solution.

4 - Natural anodised 1-lite CS NewYorkers in fixed/slide configuration in an office fitout.

5 - Natural anodised 1-lite CS NewYorker with clear toughened glass, fitted into CS FH-CeilingMountTrack.

6 - Natural anodised 1-lite CS NewYorkers with clear toughened glass featuring manifestation film, fitted into corner meeting CS Partition-TopMount double track in a fixed/slide configuration.

Hinged/Pre-hung

The CS NewYorker makes a striking and practical hinged door. Hinges and hardware are easily fitted and doors can be matched to other joinery and partitions in office fit-outs, like the natural anodised joinery featured throughout this brochure. For a hinged doorway solution match the CS NewYorker door with **CS AluJambs** aluminium pre-hung jambs.

7 - Natural anodised 1-lite CS NewYorker in CS AluJambs.

8 - Natural anodised 1-lite CS NewYorker in CS AluJambs.

Wardrobe Sliders

CS NewYorker doors can also be used in our CS WardrobeSliders, suitable for wardrobes, kitchenettes or storage cupboards in double or triple track configurations.

9 - Natural anodised 1-lite CS NewYorker wardrobe doors.

10 - Natural anodised 4 horizontal lite CS NewYorkers with a combination of glass and ply panels in CS WardrobeSliders.

NewYorker®

Technical Information

How to specify (example)

Product:	~ CS NewYorker door
Location:	~ Dining room
Door type:	~ 4 horizontal lite
Leaf dimensions:	~ 2700mm x 1200mm
Finish/colour:	~ Natural anodised
Glazing finish:	~ 6.38mm opal laminate
Hardware:	~ CL400® Magnetic Passage See CaviLock on our website for more options

Full specifications are available on www.masterspec.co.nz or www.natspec.com.au

Colours & Glazing Options

A range of powder coated and anodised colours are available. Please consult your colour provider for up to date colour specifications. The CS NewYorker may be glazed with a variety of glass types and thicknesses, from 4mm to a maximum of 10.38mm.
Glass must comply with NZS 4223: Part 3:1999 (NZ) / AS 1288 – 2006 Glass in Buildings - Selection and Installation (AU).

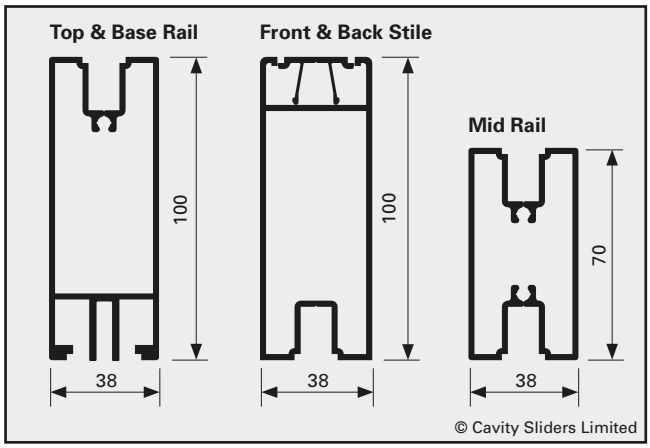
There are also a number of alternatives to glass, such as metal sheet, whiteboard, Perspex and MDF or hardboard sheet (all up to 10mm thick).

Disclaimer: Metallic powder coat finishes must be specified with a second protective clear powder coat application.

Design Features & Options

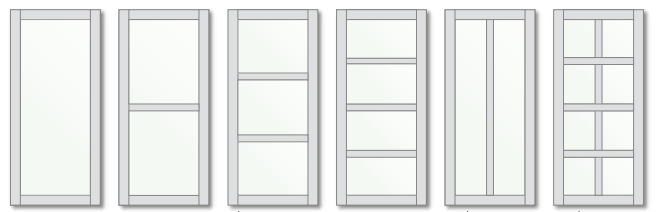
- Available in standard & non-standard sizes.
- Multitude of applications: cavity slider, fixed/slide/slide, hinged/pre-hung and wardrobe doors.
- Can be used in an automated unit (cavity or surface sliding).
- The versatile **CaviLock CL100** mortice lock and **CL400** architectural hardware for sliding doors can be factory fitted to the front stile.
- A clip-in front clashing sits neatly above and below the mortice face plate covering all visible fixings.
- Most standard back-set mortice locks for hinged doors will fit into the 100mm front stile.
- All aluminium components are screwed together for strength and reliability.
- Pre-finished in a choice of colours - anodised or powder coated.
- Materials up to 10mm thick are commonly specified as a panel infill.
- A range of glass finishes are available.
- A multitude of glazing configurations available, e.g. 1-lite, 2-lite, etc.

Profiles



Lighting Configurations

Choose from one of the following configurations or let us know what you require. Mid rails can be spaced evenly or unevenly if desired.



1V 2H 3H 4H 2V 2V4H

Hardware

1 - CaviLock CL100 Flush Turn

2 - CL400 Magnetic Privacy (snib/emerg)

3 - Aluminium Door Front Edge Pull & Louey handle

4 - CaviLock CL100 Louise

5 - Oversized 'D' Pull

6 - Standard lever/rose handle

Drawings are not to scale. All dimensions in mm.

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Customer Information Sheet
Pre-finished Aluminium Products

CS® FOR DOORS
The Cavity Slider Experts

Introduction

Many aluminium products that are used in the building industry have a finish applied that both protects the original "mill finish" and enhances the finished look. This data sheet provides information on colour choice, care and maintenance, precautions and limitations and transportation of CS FOR DOORS product that may be powder coated or anodised.

Affected CS Products

CavitySliders with aluminium jambs
WardrobeSliders with aluminium jambs
TrackSystems
Pre-HungJambs - aluminium jambs
DoorLeaves: NewYorker, AluTec, AluMax, MirrorLite
CaviLock handles (CL200, CL400)

Powder coating

What is powder coating?

Powder coating is a type of finish that is applied as a free-flowing, dry powder. The coating is typically applied electrostatically and is then cured under heat to allow it to flow and form a "skin." Once cured, the powder creates a hard, durable finish.

Colour choice and finish

Powder coating enables you to choose from a wide range of colours. CS FOR DOORS recommends the Dulux Powder Coat colour range. When deciding on a colour option, the name and associated code number must be provided. If a colour is supplied outside of this chart a colour sample, name and code must be provided to a CS FOR DOORS representative to obtain a matching colour option and price.

Things to be aware of:

- Light colours will tend to retain their appearance better than dark or bright colours.
- Surface finishes will vary according to the shape of aluminium the powder is applied to.
- Aluminium sheet and extrusions may have an orange peel look to the surface finish. This is considered acceptable as a part of industry standards.
- Metallic colours also require a second protective clear coat.
- Finished product may have minor surface scratches and abrasions which are accepted as a part of the application process.

A close up example of 'orange peel look'

When judging colour consistency and integrity of finish, the accepted industry standard is inspection from a distance of two metres.

Graffiti removal

Anti graffiti powder coatings require specific cleaning procedures that must be adhered to. Solvents recommended for graffiti removal are Dulon AAA thinners.

Apply the solvent with a soft clean rag. Allow the solvent to moisten the graffiti marks for approximately 30 seconds (but no longer than 60 seconds) before wiping the surface clean.

Then, using a soft clean cloth and a mild detergent in warm water, clean the powder coating to remove any remaining thinners. Rinse after cleaning with fresh water to remove any remaining detergent.

Please note: where solvents have been used to remove graffiti, you may notice a dull finish to the affected area.

Advantages of powder coating

- Wide choice of colours available.
- Powder coating is a tough, durable finish.
- Minor scratches may be repaired. Aerosol and dab stick applicators for unintentional chips are available from your supplier in most stock colors.
  It is recommended that the use of these products be restricted to minor areas.

Disadvantages of powder coating

- Over the long term, powder coat colours will slowly degrade.

Anodising

What is anodising?

Anodising is an electrochemical process that creates a protective layer on the surface of aluminium profiles. The metallic finish that is created does not peel, chip or flake and achieves good protection against heat, moisture, sunlight and atmospheric corrosion.

Colour choice and finish

Natural Anodised (also known as Matt Natural or Silver) is the most common colour, although black and bronze are also available.

CS FOR DOORS will not anodise our **flush aluminium door** range due to imperfections in the aluminium sheet being magnified by the anodising process.

Things to be aware of:

- Variability of colour
- Visible aluminium grain
- Extrusion die lines

These are all common features that are a part of the anodising process and are not defects in the surface finish.

The standard layer thickness is 12 microns but in exposed coastal or industrial environments thickness options of 20 and 24 microns are advised.

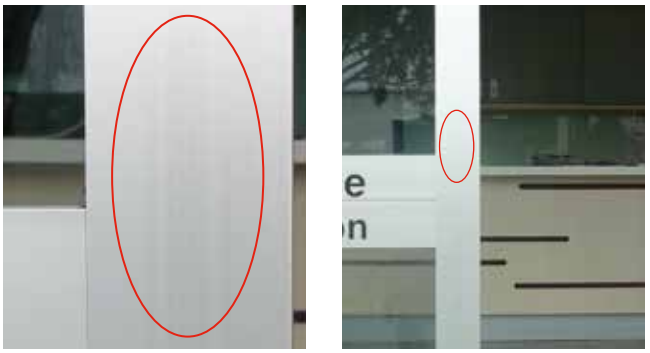
When judging colour consistency and integrity of finish, the accepted industry standard is inspection from a distance of two metres.

Advantages of anodising

- Anodising enhances aluminium's appearance.
- Metallic finish does not peel, chip or flake.
- Provides good protection against heat, moisture, sunlight and atmospheric corrosion.
- Recommended for use in coastal areas (at 24 microns).

Disadvantages of anodising

- Limited colour range
- Although anodised finishes are very tough, once scratched they are virtually impossible to repair.



(Close up) ***(2m distance)***

Photos of die lines that may be visible with an anodised finish, taken from close-up and two metres away.

General Information

Joins in flush aluminium doors

Some flush skinned aluminium doors will require a join where stock sheets will not cover the entire door frame.

The standard detail for this join is to bring the sheets to within 1 x rivet stem distance apart (1.5mm) to create a neat negative detail that gives a consistent finish. This join will typically run vertically up the door in the centre.

Any door requested over 6000mm x 2180mm will require a join due to the maximum size of sheet that we can supply. A CAD drawing will be supplied for any door over this size for customer sign off as a part of order acceptance.

Transportation

CS FOR DOORS provides a damage warning on all easily damaged product. This states that:

- We have a Photo Reference of the door prior to it leaving our production facility.
- Product must be handled very carefully during transit
- It is the responsibility of the customer to unwrap and check the condition of the door once received.

Once a product arrives at the customer destination, it is then their responsibility to check that the product is inspected and the delivery docket is signed before the transport company driver leaves the site. CS FOR DOORS will accept no responsibility for damage to a product once it has been delivered and the delivery docket signed.

Maintenance

Pre-finished items should be cleaned regularly (at least once every 6 months in interior applications and more often in industrial or exterior environments) with a dilute solution of mild, neutral liquid detergent, e.g., dish washing detergent, warm water (40˚C), and a soft, lint free cloth or brush.

Do not use abrasive cleaning tools such as steel wool, hard brushes, abrasive scourers, etc., as these may damage the coating surface and change the colour or gloss levels of the finish. Rinse suds off thoroughly with fresh water and dry with a clean cloth.

It is vital that any other chemicals such as petrol, strong alkalines or acids are NOT used on any pre-finished surface.

Pre-finished items that are maintained regularly should retain their good looks. They will not crack, chip or peel as with conventional finishes.

Installation Care

During installation construction, the pre finished surface should be protected from damage by subcontractors and site works during construction.

Once installed and finished, maintaining the initial appearance is a simple matter. The dirt and grime which builds up on surfaces over time contains moisture and salts which can adversely affect pre-finished surfaces and must be removed.

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