22/10/2026

Data Sheet

Pacific Carbon Core Doorset

Description

The Pacific Carbon Core doorset is a lightweight foamed core flush-panel door set, prehung on high-quality steel hinges in a timber or steel frame.

Doors are available as single leaf or pair leaf, finished in a variety of facings.

The standard doorset is intended for interior use in dry conditions, however it is suitable for exterior conditions with the appropriate facing.

Carbon Core doorsets are preferred where light weight and moderate impact resistance is required.

If hardware is to be fixed to the door face it may require blocking in the door and so must be specified at time of order.

For further information on this product, visit:

https://www.pacificdoors.co.nz/products/commercial/pacific-carbon-core-doorset

Product options

Leaf Type

Core
30mm thick lightweight foamed core

Rails, Stiles
Radiata Pine, butt-joined and stapled

Clashing
Paint Quality doors are unclashed as standard. Veneered doors are clashed in matching timber, thickness 5mm, to vertical edges.

Facings
Medium Density Fibreboard is standard

Pre-easing
2mm

Thickness
This door leaf is available as 38, 40, 42, 45 or 47mm thick. Standard size is 40mm thick.

Leaf Sizes

Public

The carbon core door is available for manufacture to any practical size to suit client requirements. Thought should be given to the facings of oversize door leafs so that there is no visible join in the face of the door.

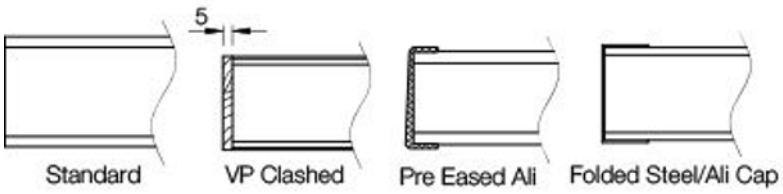
Leaf Facings

The facings listed below are available for the Carbon Core door set:

- MDF
- Oil Tempered Hardboard
- Hardboard
- Plywood
- Timber Veneers
- Bolection Panels
- Raised Panels
- Decorative Timber Mouldings
- Solid Timber (thickness up to 12mm)
- Metal Sheet, mild or stainless (0.6 - 1.0mm)
- Aluminium Sheet (0.3 - 1.0mm)
- High Pressure Laminate up to 1.5mm thick (eg: Laminex, Formica)
- Fire Rated Formica
- Sheet Vinyl (1.25 - 2mm)
- Acrylic - Sheets up to 1.5mm thick (eg: Acrovyn, Korogard)
- Laminex Decoral

Leaf Edges

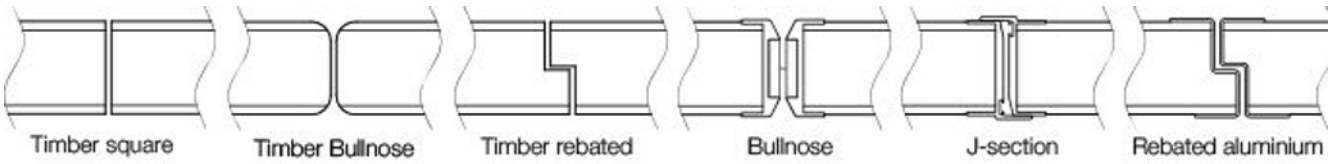
The leaf edges listed below are available for the Carbon Core door set



Note: leaf thickness may affect the availability of extruded profiles.

Meeting Stiles

The meeting stiles listed below are applicable to paired doors sets only.

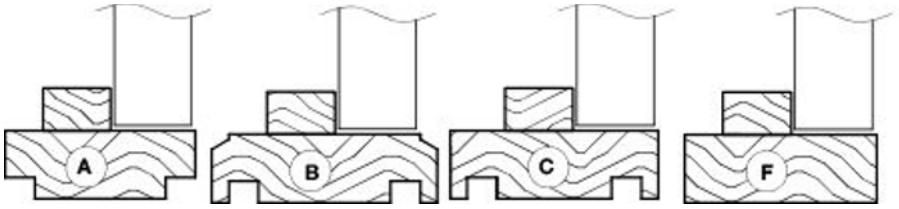


Frame Types & Profiles

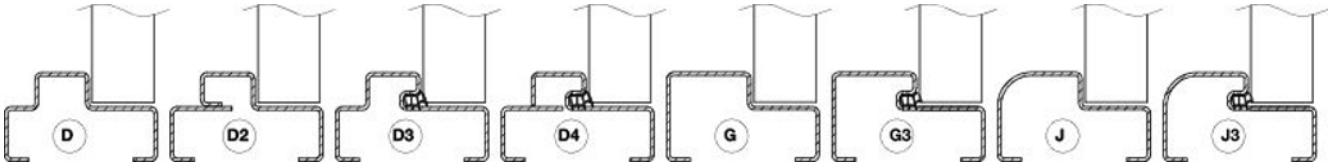
Timber Frame

The timber frame profiles listed below are available for the Carbon Core door set

Public



Steel Frame
The steel frame profiles listed below are available for the Carbon Core door set

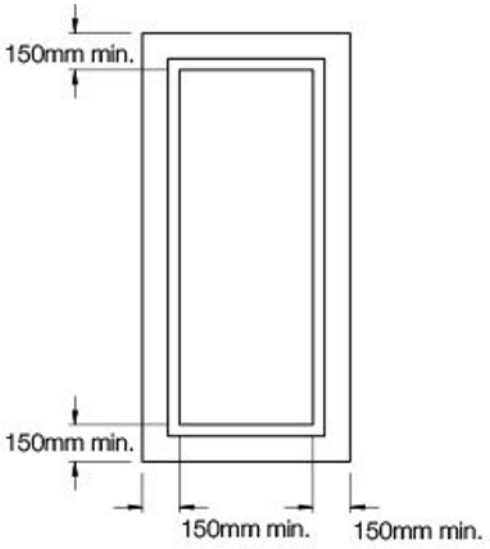


Standard frames are three-sided only with no sill. Four-sided frames and/or custom sills may be available on request. For more in depth information on frame profiles and sizes, please see our Installation Instructions.

Vision Panels

Vision panels for the Carbon Core Door set are available with timber, aluminium or steel bead, and can be of any practical size within the door leaf provided that there is a minimum 150mm perimeter rail as shown below.

Glazing can be of any type to suit your requirements.



Performance

Thermal insulation
This door leaf has a thermal insulation rating (R-value) of 0.368 Km2/W (for a 40 mm thick leaf).

Exterior installation

Public

This door is not tested for water ingress in exterior installations and we make no statement as to its suitability under NZBC E2 "External moisture". All exterior doors should be given as much shelter as possible and be fitted with appropriate flashing systems.

Hardware

There are no hardware limitations for the Carbon Core Door set, however consideration should always be given to fitness for purpose.

Concealed hinges are not an option on this doorset.

Public