

Care and Handling of Doors

Thank you for purchasing a door from New Zealand Fire Doors. Care has been taken to ensure that our product will provide you with the best standard of quality & service. To ensure optimal results please read the following notes and instructions.

STORAGE and HANDLING

- Doors should be stored away from heat and direct sunlight in dry, well-ventilated areas.
- Doors should be flat-stacked and covered to minimize the risk of distortion caused by temperature and humidity changes.
- Doors should be lifted on stack (Do not slide).
- Doors must be stored off the ground, clear of debris and moisture, to prevent damage.
- A cover sheet should always be placed on the top of the doors to prevent light shading and dust.
- Do not subject doors to extremes in humidity or temperature.

PAINT and CLEAR FINISH

Always follow manufacturers' recommendations to achieve optimal results. Humidity can cause deterioration of untreated doors over a period of time. A quick drying primer / undercoat is recommended to seal the surfaces on doors. Light sanding with fine paper between coats will remove grain-raise and further enhance the final finish.

Intumescent strips **do not** need to be masked for painting; intumescent performance is rated for up to 5 coats of paint. **Do not paint over brush or rubber smoke seals.**

All doors must have both faces and all four edges sealed prior to or immediately upon arrival on site. This is especially important for veneered leafs. Do not leave doors in their raw state on site. Failure to seal doors promptly or correctly may invalidate warranty.

Because the application of finishes is beyond the control of New Zealand Fire Doors, no liability is accepted for the quality of the finished result.

CARE AND MAINTENANCE

To maintain your door we recommend you inspect it regularly (6 monthly) dust and wipe down with a damp cloth. Repair any scratches or breakages to the finish of the decorative appearance or protective finish. Where NZFD'S products are installed in areas subject to dampness e.g., bathrooms etc, any breakage to the surface must be repaired immediately. All maintenance painting or clear finishing must be in accordance with instructions of the coating manufacturer.

P-CORE EXTERIOR DOORS

These doors are designed for exterior use, however **must have a head flashing**. All surfaces including top and bottom should be thoroughly sealed before fitting and finished to topcoat finish on all six surfaces. Doors should be finished in light reflective colours (Resene cool colours range is recommended). Hardware cutouts to the top of leafs invalidates the door's warranty.

FIBERGLASS FACED DOORS – PAINTING INSTRUCTIONS

Lightly sand with 140 grit sandpaper, wipe down and prime with solvent-based etch primer. The door must be painted on all six sides, Resene Cool Colours paint system must be used. **The warranty is void if the door is not correctly prepared and painted upon installation.**

SCREW HOLDING

Screw holding tests are routinely carried out during the manufacture of the door substrate. Laboratory tests demonstrate adequate screw holding characteristics for fixing door hinges. Practical experience has shown that, provided correct screws are fitted according to sound trade practices, screw holding is not a problem. NZ Fire Doors recommend use of 8 gauge 38mm parallel shank screws for fitting standard hinges.

GUARANTEE

We hereby advise that New Zealand Fire Doors products comply with the 5-year durability requirements of the New Zealand building code clause B2 DURABILITY.

We are also pleased to offer a warranty period of one (1) year from date of installation, against defects in materials or workmanship. Conditions and limitations are available on request.

Fire Door Installation Instructions

!!!ATTENTION – VERY IMPORTANT!!!

(Failure to follow these instructions could invalidate fire rating approvals)
POINTS TO CHECK BEFORE INSTALLATION

- a) Check that the installers declaration has been received. This form is to be completed and returned for the issuing of fire door certification labels.
- b) Check that all hardware and fixings are on hand. **All fire doors are required to have door closers and a self-latching or locking system.** All hardware fitted to fire doors must comply with fire rating approvals. If unsure, please check with New Zealand Fire Doors or refer to the Design Guide on our website www.nzfiredoors.co.nz

INSTALLATION INSTRUCTIONS

- a) Check the required sill gap (be sure to make allowances for floor coverings). Trim or pack the bottom of jambs to reduce or increase sill gaps, as required.
- b) Position doorset in opening, ensuring square and true.

TIMBER AND STEEL STUD WALLS

Wedge/pack gap between back of jamb and framing. Nail or screw-fix (100mm nails, 75mm screws) at and opposite hinge points and at head. Fixings are to be concealed by the planted stops (fitted later). Wall linings are to slot into jamb rebates where applicable, to seal the wedging gap. The wedging gap is to be wadded (with Kaowool, Rockwool, fire rated foam or Intumescent mastic sealant) if walls are already lined or a flat jamb for an architrave finish, is used.

MASONRY WALLS

Pack and fix (min. 9mm diameter x 100mm long masonry bolts) at and opposite hinge points and at head. Fixings are to be concealed by the planted stops (fitted later). Stop the wedging gap between the frame and masonry with cement grout, Kaowool, Rockwool, fire rated foam or Intumescent mastic sealant.

- c) Fit the latch to door leaf using parallel shank screws. Pre-drill holes. Adjust to ensure that the door latches automatically, from any position.
- d) Fix planted stops using 50mm jolt head nails at 300mm centres. (See tolerance table and sketch below for fitting of smoke seal after painting).
- e) Fit closer to door leaf using parallel shank screws. Pre-drill holes. Adjust to ensure that the door latches automatically, from any position.
- f) Complete the installers' declaration and return promptly to the door manufacturer. Labels will be dispatched with fitting instructions.

PAINT QUALITY DOORS

Finishing must be carried out according to paint manufacturers' recommendations for Triboard substrate to achieve optimal results.

DOUBLE ACTING DOORS

Notes set out above apply to most aspects of installation. Normally double acting doorsets come with concealed transom closers, supplied and fitted. Floor spring closers are available, for fitting by others on site.

TOLERANCES

Door frame to steel stud	-	10mm max. (timber braced)
Door frame to timber stud	-	10mm max.
Door frame to masonry wall	-	10mm max.
Leaf to doorframe	-	4mm max. (Must open & close freely)
Leaf to finished floor level	-	10mm (plus thickness of floor covering, to a max of 25mm over FFL)
Leaf to face of stop (before seal fitted)	-	5mm (smoke seal fitted after painting)
Between pairs of doors	-	Brush-seal must touch opposite leaf (See NZFD if longer brush is reqd – extra cost)