

ARCHITECTURAL SPECIFICATION

SWINGFLEX MK5 DOORS

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DESCRIPTION

Doors can be in pairs or singles depending on the clear opening, and shall be two way acting, and self closing by means of a concealed spring with variable torque control.

Door stile and head of common profile shall be constructed from extruded aluminium, grade 6060 T5, with a clear pharmaceutical grade (min.10microns) anodised finish. Extrusion to have a sectional dimensional size of 110mm x 55mm, and a nominal wall thickness of no less than 3mm.

The back edge of the stile and head section shall have provision to receive either a flexible PVC dust seal or twin brush seals. The PVC dust seal is suitable for wash down areas with its easy clean design. The inner edges of the stile and head shall be formed to retain the PVC door panel, and shall have an anti tear lip.

The PVC sheeting shall be flexible and of ambient temperature grade, with a thickness of 5 or 7mm. It is to be classified as food grade, with no heavy metals like lead, barium or cadmium, contained within the material. The sheeting shall be held into the stile and head free of any mechanical fixings, either visible or concealed, rather by means of a continuous flexible welded seam, formed to mate as an insertion into an extruded pocket of the door section.

For pairs, the overlap of the PVC panes at the centre shall be no less than 80mm, and tapered profile to minimize tear.

CONSTRUCTION

The flexible doors shall be assembled in a manner that any part, if damaged, can be readily repaired or replaced. Therefore the head and stile sections which will captivate the PVC panel shall be mitred together and mechanically retained to an internal structural steel stake having vertical and horizontal leg dimensions of no less than 400mm. The steel stake shall be integrated with a spring control to form part of the head pivot which will oscillate on a 16mm dia shaft, plug welded to a fixing plate which will have provision for either head or side fixing to a jamb. This is to have adjustable torque control.

The bottom pivot jack having a nominal sectional size of 40mm in dia, shall be height adjustable, complete with a threaded locking collar. The jack shall be diecast, formed to marry into the stile section and shall have a hemispherical concave base which will nest onto a mating steel jackplate, either floor mounted or side mounted to the jamb.

OPTIONS

Custom manufactured to sizings
Powdercoated finish to standard Dulux colours
Translucent finish to PVC
Coloured laminate to PVC
Impact buffers to PVC
Top, floor or side mount fixing
Hold open mechanisms by magnet or spring rod

AS MANUFACTURED BY

DMF INTERNATIONAL PTY LTD
SYDNEY AUSTRALIA
www.dmf.com.au
sales@dmf.com.au
Ph +61 2 96365466