

FABRICATION & SPECIFICATION

INTRODUCTION

Halspan Prima door blanks are made in a 3-layer particle board.

The density (monolithic structure) and surface finish of Halspan permits the construction of doors without the need for perimeter framing or the addition of plywood or MDF faces.

It is manufactured specifically with doors in mind, ideal as a solid core timber door, better to make and veneer or laminate.

In addition, Halspan high performance door core has been pre-tested for the fabrication of fire doors.

Using Halspan brings a flexibility, resulting from a continual programme of development and testing, which increasingly meets the needs of designers, in particular an extensive range of glazing options.

CONSTRUCTION

STANDARD METHOD

The technical details within the web site serve to define the production requirements in order to achieve and maintain the fire integrity of a fire door using Halspan 38mm or Halspan 44mm door blanks.

ALTERNATIVE BOND-UP METHOD

There may be a requirement to face with ply or MDF when fabricating fire doors, and this bond-up method is a valid alternative using Halspan 38mm door blanks.

Use minimum density 750Kg^m³ MDF or 650Kg^m³ hardwood ply to suit, to achieve overall thickness. Any adjustment in thickness must be made to the ply or MDF only. The door core thickness must not be reduced; otherwise the fire door rating is void.

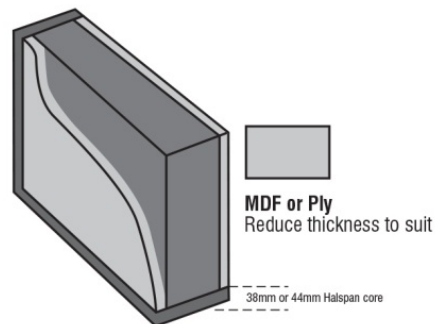
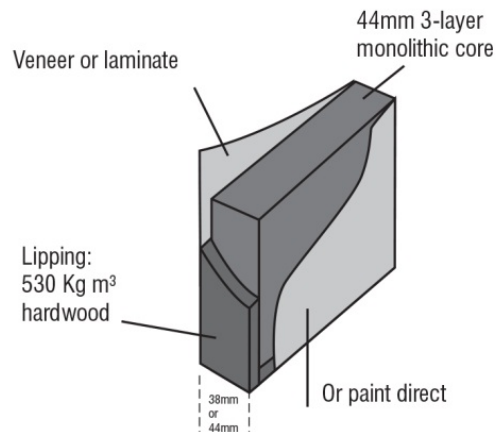
To retain the fire integrity, it is essential that the overall thickness of the completed fire door, combining door core plus facings, does not fall below a 44mm minimum thickness.

ADHESIVE

Bond using Urea Formaldehyde. Cascamite, PVA, PU, HOT Melt, Phenol Formaldehyde.

USING HALSPAN 44MM DOOR BLANKS

To construct FD30 solid core timber door



STRUCTURAL OPENINGS

The following types of structural opening are approved for Halspan FD30 doors:

- Cast dense concrete
- Dense concrete blocks or brickwork
- Masonry
- Lightweight concrete
- Lightweight aerated concrete
- Timber stud partition
- Steel stud partition