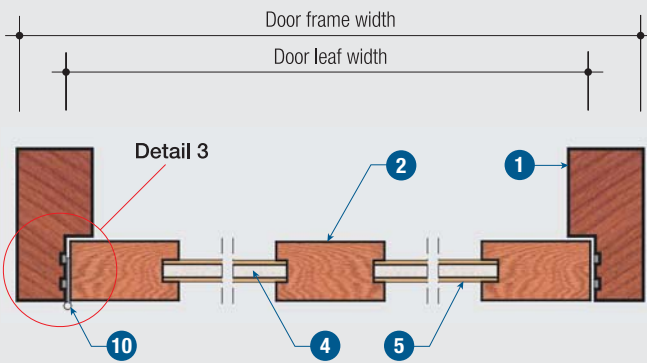
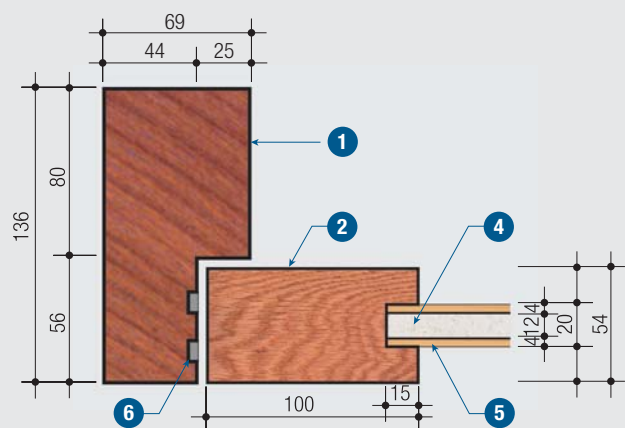


Detail 1 Elevation



Detail 2 Horizontal section (Section A-A)



Detail 3 Door leaf detail

PROMADOOR: PH1 is designed and tested as a single leaf, single action doorset only.

This door design is of a traditional Georgian style six-paneled door, with a glazed vision panel and flat infill panels.

The glass used within the tested system consisted of polished Georgian wire glass, however this could be substituted for a clear glass provided the substitute is installed as per the details shown here, and that it has certification to show that if installed in this manner, it will provide the requisite 30 minutes integrity.

Maximum approved door leaf dimensions 2100mm x 900mm.

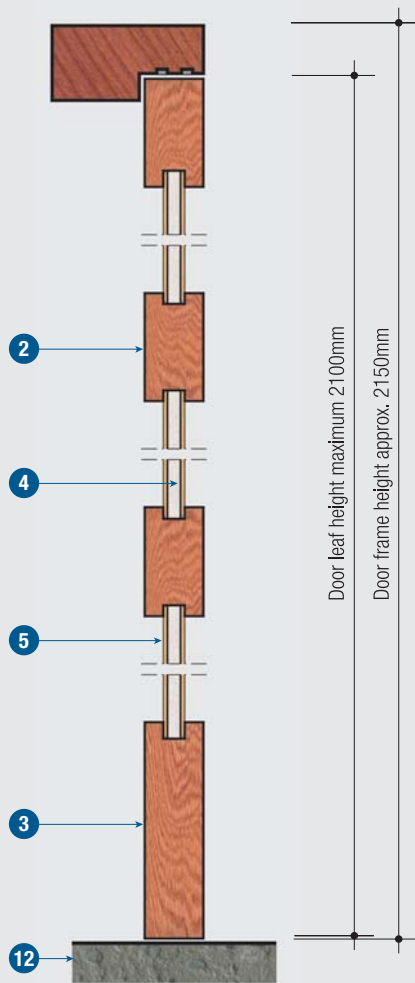
This door set was subject to fire test without the inclusion of a door closer. Therefore, if an automatic closer is required, only a surface mounted type can be installed. Use of any closer that needs to be cut into the door leaf or door frame would invalidate the tested system.

If a surface mounted door closer is to be used, it should be of a type which does not contain flammable lubrication oils.

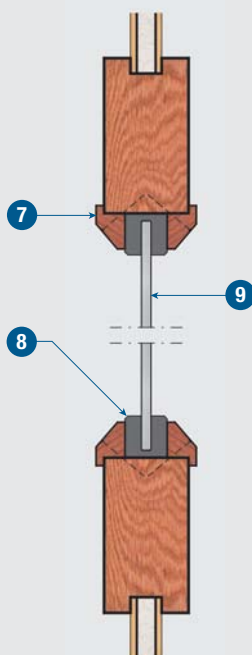
[See next page for Technical Data on drawings](#)

Detail 4 Intumescent strips in door frame





Detail 5 Vertical section (Section B-B)



Detail 6 Vertical section (Section C-C)

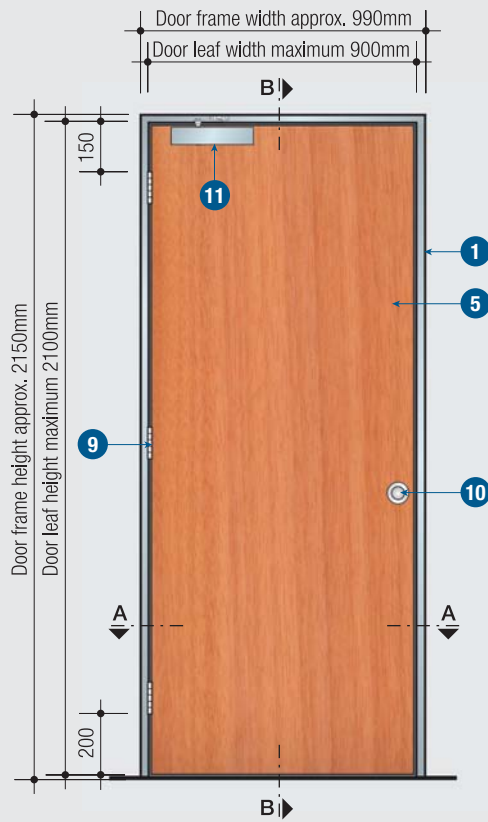
TECHNICAL DATA

30 minutes fire rating, integrity and insulation in accordance with the criteria of BS 476: Part 22: 1987, BFTC 95/18. Due to inclusion of vision panel, this doorset is classified as partially insulated only.

- 1 Door frame 136mm x 69mm thick of medium meranti wood
- 2 Top rail, Mullions transoms and door stiles 100mm wide x 54mm thick
- 3 Bottom door rail 200mm wide x 54mm thick
- 4 PROMATECT®-H core 12mm thick
- 5 Decorative plywood facing 4mm thick bonded to PROMATECT®-H core
- 6 PROMASEAL® L Intumescent Sealant 15mm wide x 4mm thick, fitted along door jambs and perimeter edges of door
- 7 Glazing beads 38mm x 20mm bonded to door leaf framing
- 8 Intumescent glazing seal (Type of glazing seal is dependent on type of glass installed)
- 9 Polished Georgion wire glass 6mm thick
- 10 Steel butt hinge 100mm fixed into door frame and leaf using 38mm screws
- 11 Standard 3 lever Mortise lock/latch set 110mm high x 78mm deep x 18mm thick
- 12 Floor slab

NOTE: The aperture into which the door is installed should have a fire resistance at least equal to that of the doorset itself. Care should be taken to ensure any gaps between the door frame and the aperture are thoroughly sealed to prevent the passage of smoke and hot gases. Please consult Promat Technical Department for details of the PROMASEAL® fire stopping range of products.

Under test, only the latch was used, therefore and standard lockset with dimensions less than item 11 can be used with this doorset.



Detail 1 Elevation

PROMADOOR: PH2 doorset is constructed throughout of Promat materials. Due to the nature of the construction of this doorset, it is possible to apply surface mouldings to the face of the door, thus creating the visual impact of panel door systems, without affecting the fire performance of this doorset.

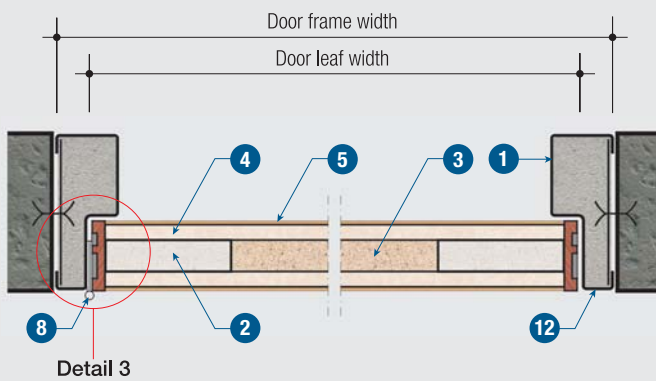
The nature of this door construction allows freedom of choice for the architects to use any type of laminate on the door surface that is desired.

PROMADOOR: PH2 was subject to fire tests with the inclusion of surface mounted door closers. Therefore care should be taken to include these within the installation.

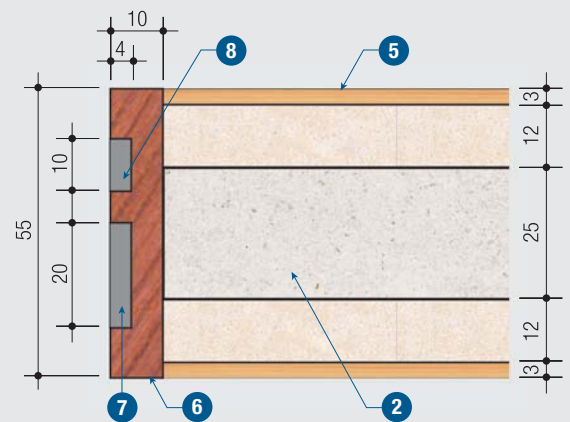
The door system was tested using a steel Mortise latch set with a steel knob set. Any lock set with dimensions and specification to the Union 3000 series can be used within this doorset.

Note should be taken that to ensure insulation across the door frame, both jambs and the head should be filled with a sand cement mortar mix.

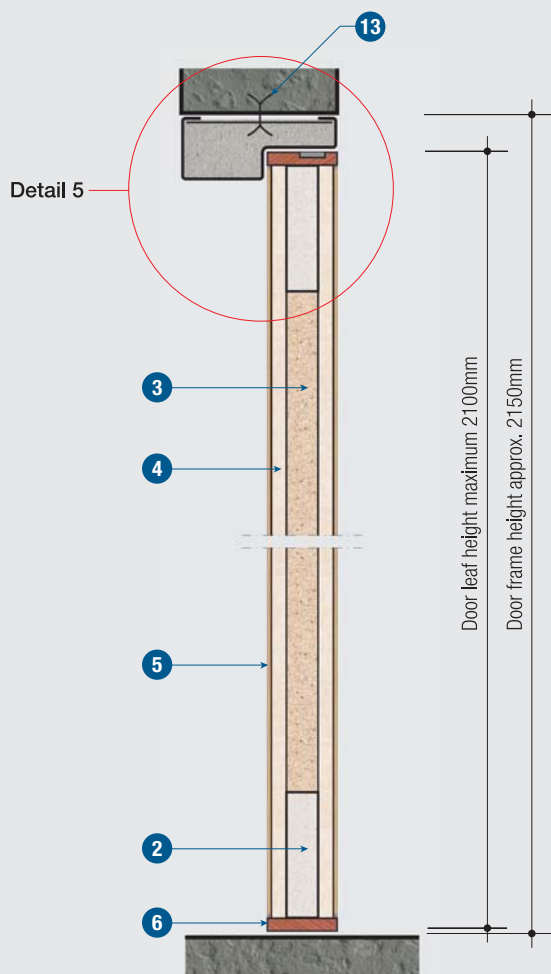
See next page for **Technical Data** on drawings



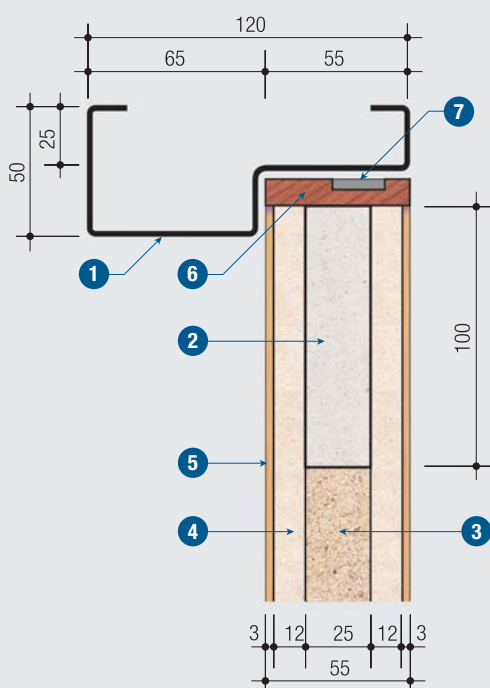
Detail 2 Horizontal section (Section A-A)



Detail 3 Door leaf detail



Detail 4 Vertical section (Section B-B)



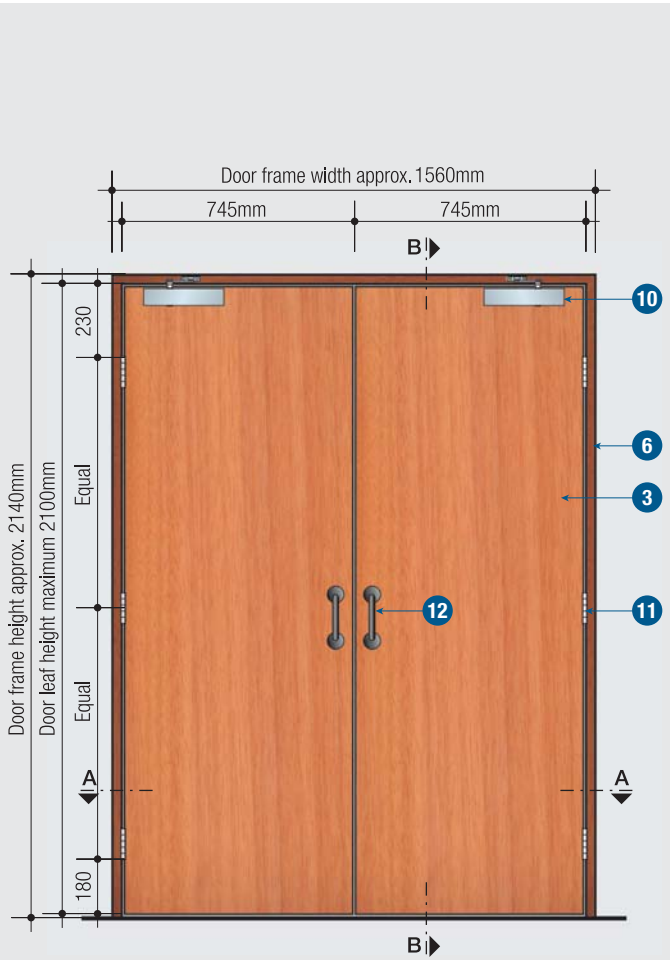
Detail 5 Door head detail

TECHNICAL DATA

2 hours fire rating, integrity and insulation in accordance with the criteria of BS 476: Part 22: 1987, WARRES 63258. Insulation applies to door leaf only.

- 1 Mild steel door frame frame 1.6mm thick, door jambs and head filled with sand cement mortar mix
- 2 Perimeter stiles and rails, PROMATECT®-H 100mm wide x 25mm thick
- 3 VICUCLAD® board core 25mm thick
- 4 Internal facing of PROMINA® 60 board 12mm thick
- 5 External facing of plywood 3mm thick adhered to PROMINA® 60 board
- 6 Lippings of hardwood 55mm x 10mm thick
- 7 PROMASEAL® L Intumescent Sealant 20mm wide x 4mm thick fitted on all four edges of door leaf
- 8 PROMASEAL® L Intumescent Sealant 10mm wide x 4mm thick fitted along vertical edges of door
- 9 Stainless steel butt hinges 102mm x 102mm x 3mm thick
- 10 Stainless steel latch fitted with knobset (Union 3000 series or similar)
- 11 Overhead door closer (Union 8573 or similar specification)
- 12 Sand or cement mortar infill
- 13 Frame fixings of nominal 500mm centres

NOTE: The aperture into which the door is installed should have a fire resistance at least equal to that of the doorset itself. Care should be taken to ensure any gaps between the door frame and the aperture are thoroughly sealed to prevent the passage of smoke and hot gases. Please consult Promat Technical Department for details of the PROMASEAL® fire stopping range of products.



Detail 1 Elevation

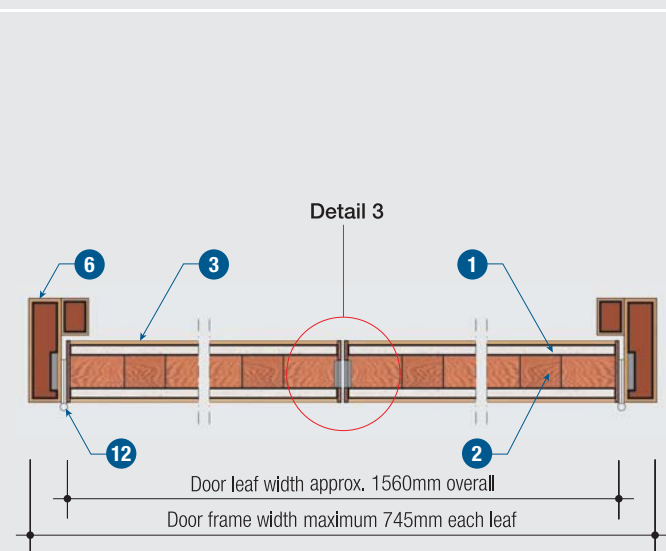
A plain flush doorset, double leaf, single action fitted with door closers. These doors have a plain meeting stile without rebates etc, so there is no requirement for selector gear to ensure closing sequences.

This doorset was tested without locks or bolts, and therefore care should be taken to ensure these are not required within the specification. If locks or bolts are required, these can be installed provided they are only surface mounted. The use of and hardware installation which necessitates cutting into the door core could invalidate the fire test certifications.

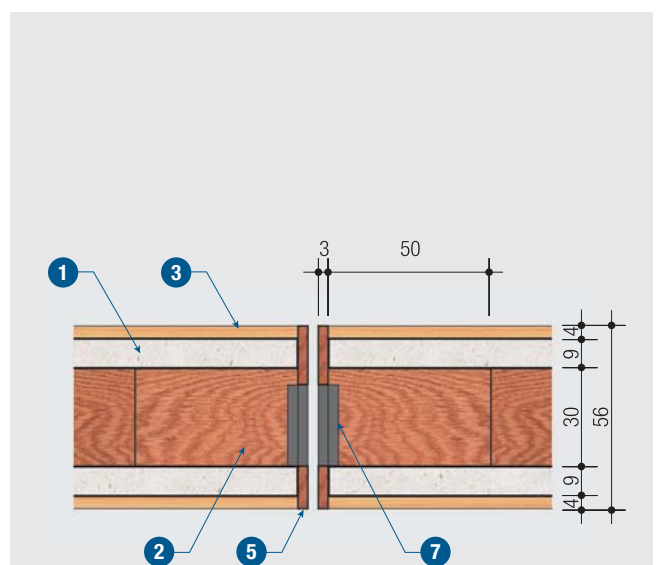
Due to the flush nature of this door design, it is possible to enhance the appearance of the door by applying surface mounted mouldings, fixed by adhesive and pins etc, without causing any detrimental effect to the performance of the fire door.

This doorset was subject to testing with the inclusion of surface mounted door closers. In order to conform with the tested system, installations of this doorset should include surface mounted door closers.

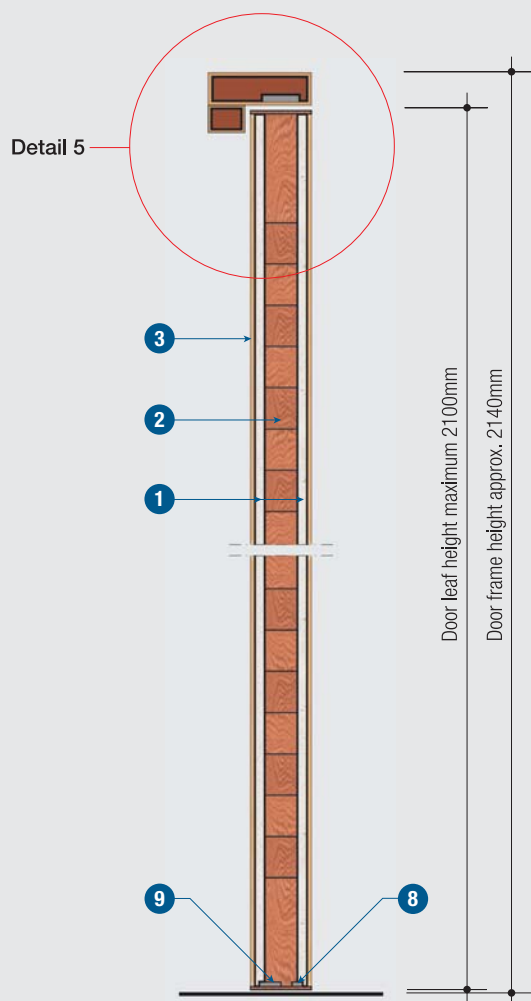
[See next page for Technical Data on drawings](#)



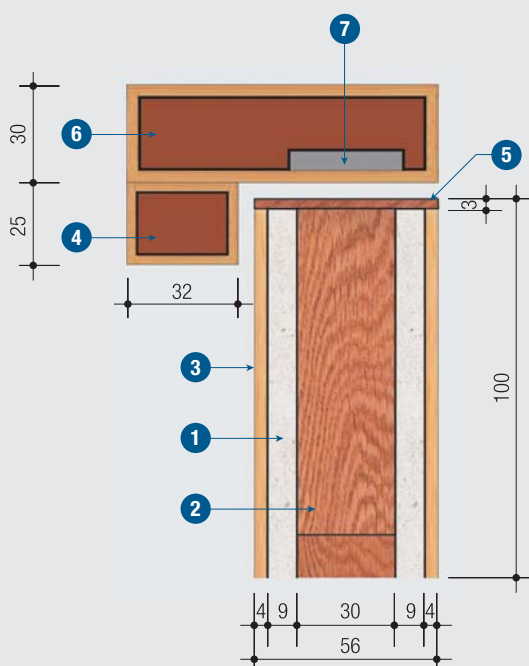
Detail 2 Horizontal section (Section A-A)



Detail 3 Door leaf detail



Detail 4 Vertical section (Section B-B)



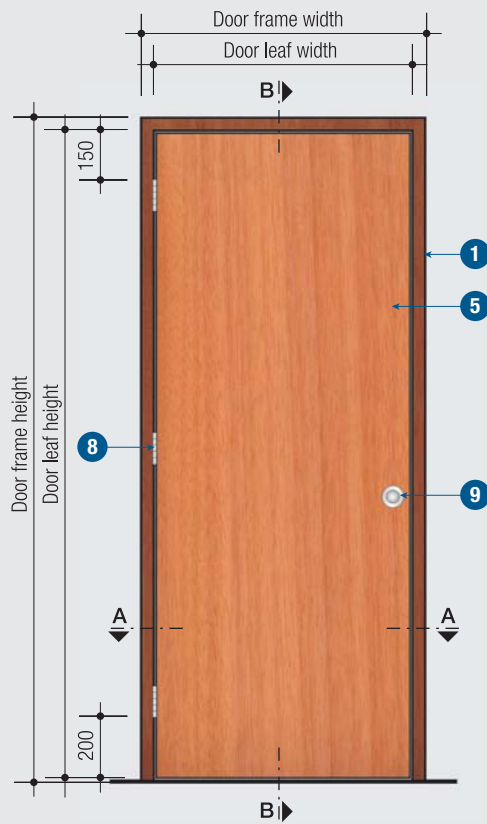
Detail 5 Door head detail

TECHNICAL DATA

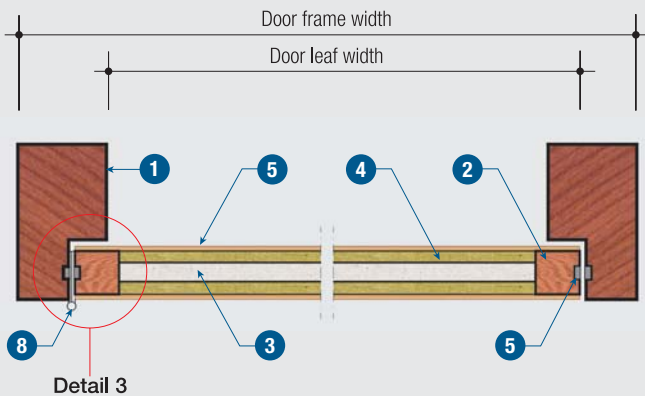
1 hour fire rating, integrity and insulation in accordance with the criteria of BS 476: Part 22: 1987, BFTC 95/11.

- 1 PROMATECT®-H core 9mm thick
- 2 Laminated meranti core 38mm wide x 30mm thick (Stiles 50mm x 30mm thick and rails 100mm x 30mm thick)
- 3 Plywood veneer facings 4mm thick
- 4 Hardwood veneer facings 3mm thick
- 5 Ash lippings 3mm thick fixed around the perimeter of the door leaf
- 6 Frame constructed from medium density fibre board
- 7 PROMASEAL® L Intumescent Sealant 25mm x 4mm with smoke seals
- 8 PROMASEAL® L Intumescent Sealant 10mm x 4mm thick
- 9 PROMASEAL® L Intumescent Sealant 20mm x 4mm thick
- 10 Surface mounted door closer (Briton 1003 aluminium or similar specification)
- 11 Steel butt hinges 100mm fixed using 38mm steel crews
- 12 Surface mounted pull handles

NOTE: The aperture into which the door is installed should have a fire resistance at least equal to that of the doorset itself. Care should be taken to ensure any gaps between the door frame and the aperture are thoroughly sealed to prevent the passage of smoke and hot gases. Please consult Promat Technical Department for details of the PROMASEAL® fire stopping range of products.



Detail 1 Elevation



Detail 2 Horizontal section (Section A-A)

With the increasing awareness of the importance of correct testing off doorsets and the strict requirements of the National Building Code of India (NBC), the Indian market has been for long been waiting for tested, reliable & authentic fire doors. Promat now offers CBRI tested fire doors with NCBN Technology: "Non-Combustible By Nature". With this design, the first of its type tested and approved for the Indian market, Promat doors are unique for the Indian market. Promat backs the market with a well established, strong network of quality driven OEM's, recognised for effective pre and post sales service and support, all over India.

This doorset offers the architect the optimum in providing a flush surface onto which can be mounted surface mouldings, in order to provide the appearance of a panelled door leaf.

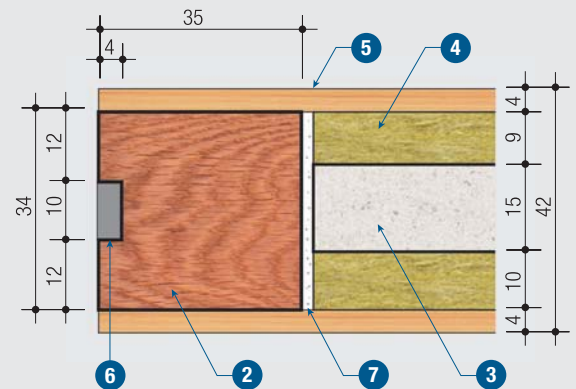
NCBN doors are two types as below.

**60-minutes PROMATECT®-H door
(PROMADOOR: PH4)**

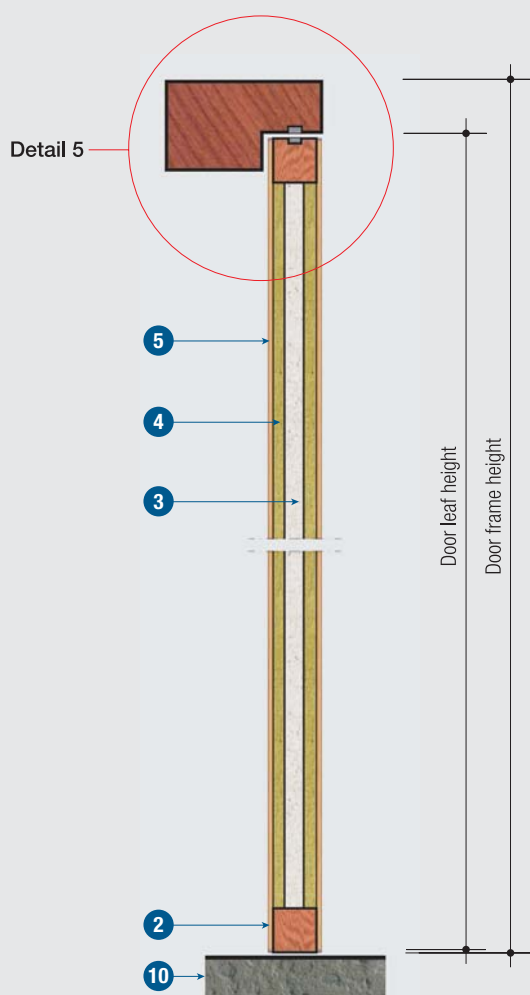
For 60-minutes the thinnest fire door is 44mm thick, it is economical to use & light weight.

**120-minutes PROMINA® 60 door
(PROMADOOR: PMF1, please download the PDF)**

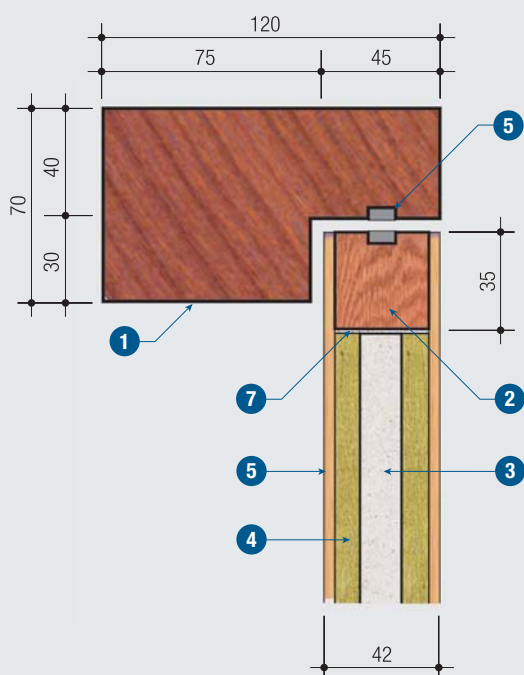
This is the first 120-minutes timber door to pass the Indian standard test at CBRI.



Detail 3 Door leaf detail



Detail 4 Vertical section (Section B-B)



Detail 5 Door head detail

TECHNICAL DATA

1 hour fire rating, integrity and insulation in accordance with the criteria of BS 476: Part 22: 1987 and IS: 3809: 1979, CNP-2150.

- 1 Medium meranti door frame 120mm x 70mm thick
- 2 Perimeter framing of medium meranti wood 35mm wide x 34mm thick
- 3 PROMATECT®-H core 15mm thick
- 4 Fire rated insulation coated with acrylic sealant
- 5 Plywood 4mm thick with paint 1mm or lamination on both sides
- 6 PROMASEAL® Door Strip 10mm x 4mm thick
- 7 PROMASEAL® L Intumescent Sealant to seal gaps between PROMATECT®-H core and door stiles
- 8 Stainless steel ball bearing hinges 304 grade 100mm x 75mm x 2.5mm
- 9 Stainless steel latch or L drop
- 10 Floor slab

NOTE: The aperture into which the door is installed should have a fire resistance at least equal to that of the doorset itself. Care should be taken to ensure any gaps between the door frame and the aperture are thoroughly sealed to prevent the passage of smoke and hot gases. Please consult Promat Technical Department for details of the PROMASEAL® fire stopping range of products.