

portaro® FIRE RESISTANCE**ATTENTION**

Being a fully finished product, its assembly should not be started before the completion of all the interior decorating, flooring, window panes and glass, electrical installation, sanitary ware and wall painting.

HANDLING

Doors and frames are heavy. The handling and movement of the materials should be carried out with maximum care, in order not to cause any damage.

STORAGE

Doors should be stored horizontally and never supported on the lipping, in places which are ventilated and protected from direct sunlight.

Places with moisture content greater than 60% and without ventilation, may cause irreparable damage.

PRODUCT IDENTIFICATION

Fire resistant doors are identified on the top edge by a stamp, with the information of the product, class resistance, dimensions, finish and product code.

The frame is identified by a label on the package.

FITTING OF THE FRAME

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IMMOBILIZATION OF THE FRAME

Drill the jambs in 3 points in the centre of the cavity for the door rebate with the first drill at about 250mm from the top (close to the hinge) and the others evenly distributed. Drill (30min. 3 drills and 60min. 4 drills), and on the stile in 1 ou 2 evenly distributed points, respectively for single a double leaf doorsets..the centre (1leaf), 2 leaves 2 drills evenly distributed. Make the drills about 500mm in the jambs, with the first about 250mm from the top part.

Drill in the masonry using a Ø 9,5 mm drill, and depth to lodge a 100mm the screw plug with (30min. 100mm. and 60min 120mm.

CONSTRUCTION OPENING

Antes de colocar o aro na abertura, verifique se as dimensões Before placing the frame in the opening, check if the dimensions of the construction are correct

The gaps between the frame and the wall must not be less than 10mm or greater than 20mm.

GAPS

The gap between the door and the frame must not be less than a 2mm and greater than 4mm along the whole perimeter of the door. Same procedure for 2 leaf doors.

On the bottom part the gap between the door and the threshold must not exceed 9mm.

portaro® FIRE RESISTANCE**FIXING OF
THE FRAME**

Apply “Ficher B1 EI 180” expanded foam, along the whole perimeter of the frame, filling only 50 to 60% of the space without interruption.

Alternatively, rock wool may be used to fill the gap between the frame and construction opening, without interruption.

Foam that falls on clothes or on construction element must be rapidly cleaned with acetone or any similar solvent.

**FITTING OF THE
DOOR REBATE**

Apply the glue on the opposite side of the rebates along the whole extension and start fitting the rail. Close the door and place the rebates correctly. Consolidate the fixing with small headed screws.

**INTUMESCENT
MATERIALS**

Intumescent materials play a fundamental role in fire resistance. The lack or failure of these may jeopardize the product’s fire resistance performance..

In these cases, its substitution or restoring is compulsory

IRONMONGERY

Hinges: must be certified and “CE” marked. Before being fitted on the door, intumescent seal must be used.

Locks: must be certified and “CE” marked. Their functionality must be suitable to their use.

Electronic cards: whenever used, the lock block contains intumescent material which must be placed on both faces of the lock.

Door closers: must be certified and “CE” marked. The “manoeuvre force” must be regulated so as to guarantee the adequate impact in the closing of the door.

Anti-panic bars: must be certified and “CE” marked. The “manoeuvre force” must be suitable and assure emergency exits.

Signalling: whenever suitable signalling is necessary, this should be fixed by screws with a maximum length of 10mm.

OBSERVATIONS

A copy of this information together with other relevant literature should be kept for future reference by the subsequent owners or occupants/users

CONTACTS

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