



RD6 – 12/24/24/12 Room Divider

ASSEMBLY and INSTALLATION INSTRUCTIONS

Please read these instructions carefully before commencing installation.

Check all parts against the Parts List. If any parts are missing or broken please contact us at [distinctive doors ltd.](#) and we will provide the replacement components. (Subject to availability).

Door Frame Size 2018mm high x 1938mm wide. External Dimensions.

When you have checked all the component parts it is essential to coat all faces and edges of the frame and doors with a good quality wood sealer before installation.

This is to seal and protect the product and maintain the correct moisture content.

At least three topcoats will be necessary, on top of the sealer coat, to adequately seal and protect the wood. As this is a timber based product, if the doors and frame are not properly sealed on all faces and edges, including top and bottom edges, prior to installation, there is a risk of shrinkage, warping, twisting or splitting of the frame and /or doors. We would not guarantee against this if not completely done.

Installation.

The RD6 Frame can be fitted onto a brick or timber studded wall, plaster board faced, but the wall will first have to be lined with suitable timber onto which the frame can be securely fixed.

Trimming the Frame

The frame width is 133mm. If the wall it is to be fixed onto is narrower than this the frame can be reduced by a maximum of 12mm each side to leave a width of 109mm.

Installing the RD6 Frame direct onto the Main Floor

The frame jambs, door stops and panel beads have been supplied at the correct length to fit onto the main floor without having to adjust the size of the doors or frame.

WE FULLY RECOMMEND INSTALLATION DIRECT ONTO THE MAIN FLOOR.

When installed as supplied there will be a clearance of 12mm underneath the doors to accommodate floor covering. If the floor covering is thicker than 12mm the height of the doors can be trimmed by a maximum of 20mm, but no more than 10mm can be removed from either end.

The doors should never require trimming in the width.

Choosing the correct overall frame size will ensure that this is the case.

Assembling the Frame

Set the frame components out on the floor, as shown in the drawing, and assemble as follows:-

Drill and countersink 8no. 3mm diameter holes, two at each end of the HEAD, A, 11mm in from the end and 25mm in from each long edge, and two centrally on each of the middle trenchings, again 25mm in from each long edge. Drill and countersink two holes at the bottom of the JAMBS B1,B2,B3 and B4, 11mm up from the ends of the jambs and 25mm in from each long edge. Apply a little wood glue into the four rebates in the HEAD, A. Take the JAMBS, B1, B2, B3 and B4 and position these into the rebates of the HEAD, A, ensuring that the edges of the JAMBS, B1, B2, B3, and B4 are flush with the edges of the HEAD, A. Using 2no. 4 x 60 gauge wood screws, screw through the HEAD, A, into each JAMB, B1, B2, B3, B4. Apply a little wood glue to both ends of each BOTTOM RAIL, C1, C2 and using 2no. 4 x 60 gauge wood screws to each jamb screw through the JAMBS, B1,B2,B3, B4 from the countersunk side, into the BOTTOM RAILS, C1, C2. Ensure that the edges of the BOTTOM RAILS, C1 and C2 are flush with the edges of the JAMBS, B1, B2, B3 and B4 and that the underside of the BOTTOM RAILS, C1and C2 are flush with the ends of the JAMBS, B1, B2, B3 and B4. Wipe off any excess glue that squeezes out of the joints as soon as possible. (Screws and glue not supplied).

CHECK TO MAKE SURE THAT THE EDGES OF THE HEAD AND BOTTOM RAIL ARE PERFECTLY FLUSH WITH THE EDGES OF THE JAMBS AND THAT THE UNDERSIDE OF THE BOTTOM RAIL IS FLUSH WITH THE BOTTOM OF THE JAMBS BEFORE FULLY TIGHTENING THE SCREWS.

At this stage it would be helpful to fix a timber lath, (not supplied) cut to the same length as the HEAD, A, across the bottom of the frame, approximately 150mm up from the ends of the JAMBS, B1, B2, B3 and B4. This will help hold the frame rigid and square while it is being fixed into position.

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Installing the Frame

Lift the assembled frame and place it into the pre-prepared opening. This is best done with two people. The top, front edge of the frame should be positioned level with the wall on the side that is most important, usually the side on which the doors open into the room.

It is critical to the success of the installation that when fixing the frame the HEAD, A, is level and that the JAMBS, B1, and B4 are vertical, in both the side to side plane and also in the in to out plane, and that they are perfectly straight, from top to bottom. It may be necessary to use small packers to achieve this as the head and jambs may have a natural bow. JAMBS, B2 and B3 should be fitted with any natural bow facing into the side panel aperture. This can then be packed out, if necessary, after the side panel has been fitted.

When the frame is satisfactorily positioned check that it is square and plumb in the opening before fixing. It is very important to check the width between the JAMBS, B2 and B3, at the bottom before fixing. This dimension should be 1236mm, and if a lath has been fixed here it will have ensured that this has remained correct.

When you are satisfied that the frame is correctly positioned and is square and plumb, drill and countersink 5no. x 5mm diameter fixing holes equally spaced along the length of each of the JAMBS, B1 and B4, and central in the width and fix using 5no. 5 x 80 screws for timber stud wall or 5no. 5 x 100 screws and wall plugs for masonry openings per JAMB. (Screws and plugs not supplied). Check that the central JAMBS, B2 and B3, are plumb and perfectly in line with JAMBS B1 and B4 and drill and countersink 2no. 5mm diameter screw holes centrally through the grooves in each of the BOTTOM RAILS, C1 and C2. Fix as described above depending on whether the floor is timber or concrete.

Once the frame is fully fixed the lath, if used, can be removed and any small gaps behind the frame, between the frame and the wall, should be filled and covered with architrave. This is not supplied. Please ask [distinctive doors ltd](#) about our range of matching architrave and skirting.

Installing the Side Panels.

Identify the side PANEL BEADS, F1 AND F2. These are supplied cut to the correct length and mitred.

Measure from one edge of the BOTTOM RAILS, C1 and C2, to the edge of the central groove and transfer this measurement onto the underside of the HEAD, A, and mark a line. Identify the shorter PANEL BEADS, F1, and fix one of these to the underside of the HEAD, A, in each side panel aperture, using suitable pins or screws, with the square edge to the marks that have been transferred from the BOTTOM RAILS, C1 and C2.

It is advisable to drill pilot holes prior to pinning the beads to prevent the timber from splitting or the pins bending due to the hardness of the timber. If screws are used the holes should be drilled and countersunk to suit the screws. (Screws and pins are not supplied).

Before installing the side panels, decide which way the glass in the doors will face. Ensure that the side panels are installed with the glass facing the same way as the glass in the doors.

Take one side panel and insert it into the groove in the BOTTOM RAILS, C, and push it tight against the bead fixed to the HEAD, A. Take another of the shorter PANEL BEADS, F1, and fix this to the HEAD, A, as previously described, tight against the other side of the side panel. The side panel is now safely supported. Repeat this procedure with the second side panel. Check the central JAMBS, B2 and B3, to ensure they are straight and pack off the side panels if necessary. Take the remaining shorter PANEL BEADS, F1, and fix as before to both sides of the BOTTOM RAILS, C1 and C2, tight against the side panel. Finally take the longer PANEL BEADS, F2, and fix these to the jambs on both sides of the side panel to complete the installation.

Installing the Doors

It is quite normal when a pair of doors is installed to have one door that remains mostly closed and one which is in regular use. At this stage choose which door will be the regular opening door. When it has been decided which door is to be the regular opening door and which will be the "fixed" door, the fixed door should be hung using three good quality hinges, (not supplied), and leaving a gap of approximately 3mm between the top of the door and the underside of the frame head. Once this door has been hung the CENTRAL T PIECE, "T", can be fitted. This is supplied cut to length and notched at both ends to fit round the HEAD DOOR STOP, "D". One end will require trimming off, depending on the hand of the door. The CENTRAL T PIECE should be fixed so that the head of the "T" is in the room that the doors DO NOT open into and the small lip is in the room that the doors DO open into. It is recommended that wood glue and screws, 3.5 x 30, (not supplied) are used to fix the T piece, drilling and countersinking screw holes at approximately 300mm centres with a screw at approximately 30mm from the top and bottom of the door.

The head or cross piece of the T should be facing into the room that the doors DO NOT open into.

Now hang the second door, using three hinges and leaving a similar gap at the top as was left when the first door was hung.

The doors and frame have been designed to leave a 2mm gap at the jambs and a 2mm gap between the doors at the centre.

Note:- It will be necessary to fit at least one bolt to the first, or "fixed" door. It is advisable to fit bolts both at the top and bottom of the door.

Door Stops

Identify the DOOR STOPS, D, E1 and E2. These are supplied cut to the correct length and mitred and can be glued and screwed or nailed into position starting with the HEAD DOOR STOP, D, followed by the two JAMB DOOR STOPS, E1 and E2, and should be fixed so that they **just** touch the door down their complete length when the door is in the closed position. As with the PANEL BEADS, if nails are used it is advisable to drill pilot holes prior to nailing the door stops to prevent the timber from splitting or the nails bending due to the hardness of the timber. If screws are used holes should be drilled and countersunk to suit the screws.

It is now only necessary to fit the lock or latch and handles of your choice, (not supplied), and to fit architrave around both sides of the frame, not supplied.

For a really professional finish contact [distinctive doors ltd](#) and ask about our range of matching Architrave and Skirting which will provide a beautiful finish to your new Room Divider installation