

CHALKBOARD

DIFFICULTY: **COMPLEX**



6 VOLUNTEERS



6 HOURS

MATERIALS

PREP

(3) pieces of 8ft door casing
(2) 2x4x8ft boards
(3) 4x4x8ft boards
(1) .75"x4x8ft sanded plywood

BUILD

(3) 4x4x8ft boards
(1) 2x4x8ft boards
(2) 2x4x42.75" boards
(2) 4ft door casing of trapezoids (primed)
(2) 8ft door casing of trapezoids (primed)
(1) .75"x4x8 sanded plywood (primed)
.5lb 3" deck screws
1lb 1" finishing nails
(12) 3" corner braces
.5lb 1 5/8" deck screws
1lb N8 Simpson nails (1.5")
1qt chalkboard paint
1qt color paint (for casing)

Tools listed on page 2

PREP LIST

1. Sort all the materials into piles by like items to ensure you have materials needed to complete project.
2. Set aside the (3) 4x4x8ft boards. They will not be cut.
3. Take (1) 2x4x8ft board. Ensure that it's 8ft - trim if you must.
4. Take the remaining 2x4x8. Cut down to (2) 2x4x42.75" pieces.
5. Set aside 2 pieces of the 8ft door casing. Do not cut.
6. Cut the remaining 8ft door casing into (2) 4ft lengths.
7. Angles: Take the (2) 4ft pieces of door casing cut in step 5. Cut a 45° degree angle off both sides, creating 2 trapezoids. Take the (2) 8ft casing pieces that were set aside in step 4. Then cut a 45° degree angle off both sides, creating 2 trapezoids.
8. Priming: Set up an area to prime the casing and the 4x8 plywood board. This will be the boarder around the chalkboard. Prime both sides of each piece of casing. Prime the plywood board on both sides and all edges.

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TOOLS

PREP

Tape measure

Pencil

Miter saw

Carpenter's square

Roller, pad, tray, and roller extension

Paint can opener

Stirring stick

BUILD

Drill

Screwdriver bit (to match the screws)

Carpenter's square

Level

Safety goggles

Hammer

Pencil

Sandpaper

Painting supplies

BUILD LIST

1. Sort all the materials into piles by like items to ensure you have materials needed to complete project.
2. Use the chalkboard paint to paint the plywood.
3. Use the colored paint to paint the casing.
4. Determine where the chalkboard will go. Once located, dig (2) holes 8ft apart in a row. These will be for the ends of the chalkboard. The holes should be 2ft deep.
5. Measure a third hole 4' from the center of the 2 holes dug in Step 4. Dig a third hole here. This will be for your middle 4x4x8ft support posts. This hole should be 2ft deep.
6. Using the 3" Deck Screws, attach the 2x4x8ft lumber to the top of the 4x4x8ft posts. 1 of the 4x4x8ft posts should be flush with the edge of the 2x4x8ft. 1 of the 4x4x8ft posts should be flush with the other end of the 2x4x8ft. The 3rd 4x4x8ft post should be perfectly centered between the end support posts.
7. Measure 48" down from the top of the 2x4x8ft piece you attached in Step 6. Mark this spot on the 4x4x8ft posts.
8. The spot you marked in Step 7 should line up with the bottom of the 2x4x42.75" pieces. Using the corner braces and the 1in nails, attach the (2) 2x4x42.75" pieces. When you are attaching these pieces, make sure that the bottom of the 2x4x42.75" is 48" from the top of the 2x4x8ft piece.
9. Using the 1 5/8" Deck Screws, secure the plywood to the frame. Make sure the plywood covers the entire face of the 4x4x8ft posts.
10. Using the 1" finishing nails, attach the painted trim to frame the plywood.
11. Place the completed chalkboard in the holes. Pour concrete into holes to set the chalkboard, use levels to make chalkboard sit evenly.

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