



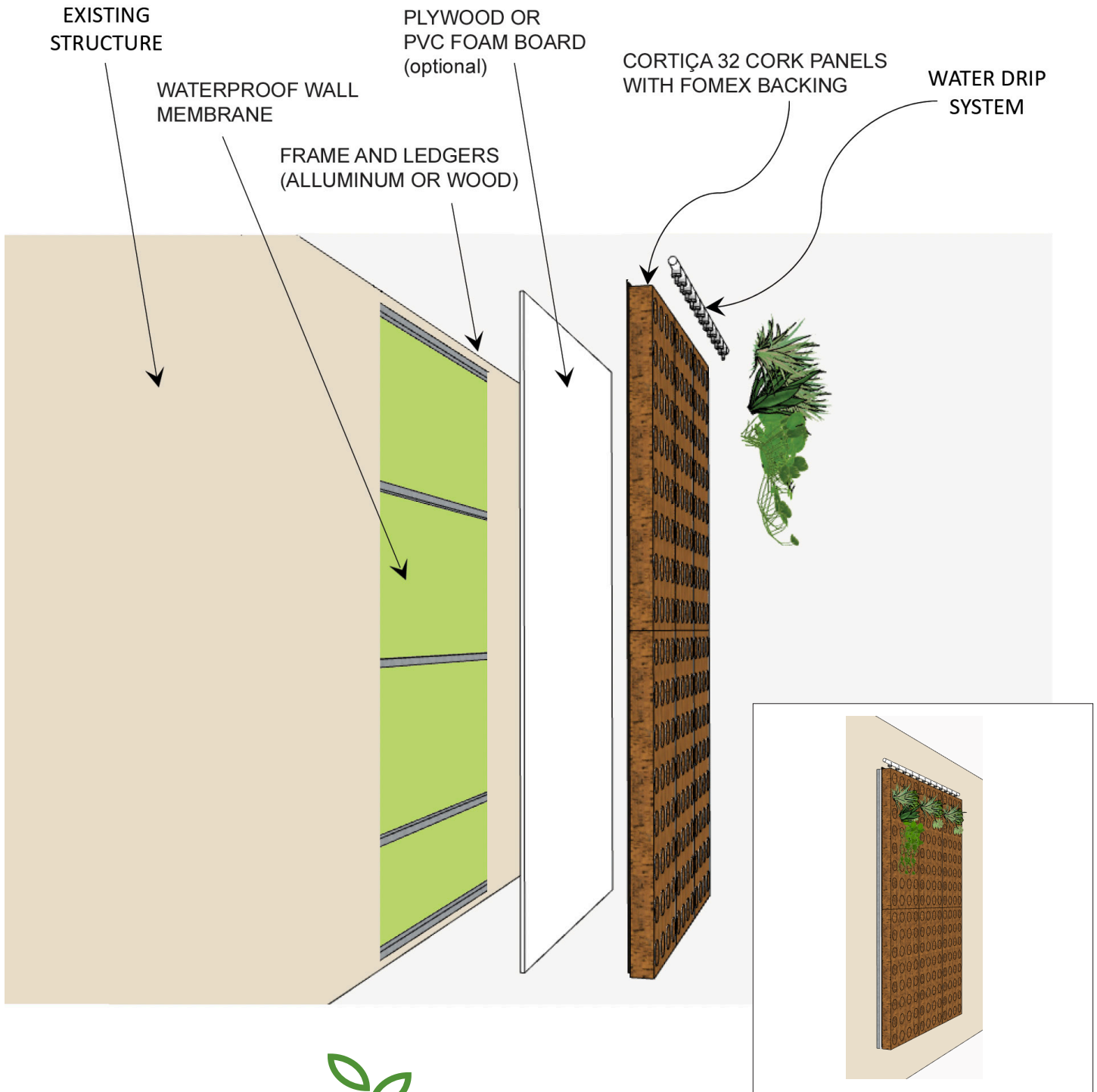
Step 1

Guide on Preparing Support Structure for Living Wall Indoor Installation



INDOOR Support Structure Overview

3D RENDERING



BEFORE GETTING STARTED

Please review this installation guide.

For questions please call us at (800) 755. 2141 - We are here to help!

Planning and Preparation

Site preparation

INDOOR INSTALLATION

- » Clear debris from working area
- » Check for directional sun exposure (Aides in later plant selection)
- » Make sure that the location for any plumbing or electrical wiring is identified prior to penetrating Living Wall support system. If installer does not have technical knowledge on subject, it's suggested to consult with a professional.

Irrigation method

Before you installed the living wall, you must decide and plan for the type of irrigation method you wish to use. The following are the most commonly used:

- » Drip line system
- » Manual watering
- » Drainage

IMPORTANT: If installer does not have irrigation knowledge, we reccomand consulting with a professional landscaper or plumber.

The support framework needs to be of equivalent dimensional size (Height and Width) to the overall number of Cortiça 32 Cork panels calculated to be used for the living wall.

Support material quantity will need to be calculated based on the size of your living wall. Below is the list of the material needed.

Support Structure Material and Tools (Provided by Installer)
Waterproof Wall Membrane
» Any self-adhesive, rubberized asphalt/polyethylene waterproofing membrane for air and vapor barrier applications.
Ledgers
» 2x4 Pressure Ledgers treated lumber or Aluminum Tubing
» Lag bolts – 3/8"x 4" Zinc Galvanized Lag Screws
» Silicone or Epoxy sealant
Moisture Barrier
» 3/4" Marine grade Plywood – or 1/2" PVC Foam board
» Spax Screw #10 1 1/2" with Galvanized Zinc Washer 1/4" or Lathe Screw #10 1" - 1 1/2" (PVC Alternative Only)
Tools
» Drill motor and Drill Bit 3/8" & #2 Screw Tips
» Roto Hammer with 3/8" Stucco Bit
» 4' level (18" Level will work in a pinch)

Cork board Living Wall System (Purchased from Cortiça Garden)
Cortiça 32 Cork board Living Wall System Planter(s)
» Framed 32 Hole Carbonized Cork-board Planter with Built-in Wicker water irrigation dripping system.
Dimensions: 20x40x3 inches* (*Nominal - Actual size may slightly vary) 500x1000x75 mm
Coverage: 5.55 Sq feet / 0.515 Sq. meter

For additional help please visit corticagarden.com/c32





WARNING

For indoor installations and before building the support structure, we recommend applying a **waterproofing membrane** protection barrier on the wall to keep any moist from ever penetrating the wall.

Waterproof Wall Membrane Installation

Clean loose dust or dirt from the surface to which the wall membrane is to be applied by wiping with a clean, dry cloth or brush.

Surface must be smooth, clean, dry and free loose nails, sharp protrusions or other matter that will hinder the adhesion or regularity of the wall membrane installation.

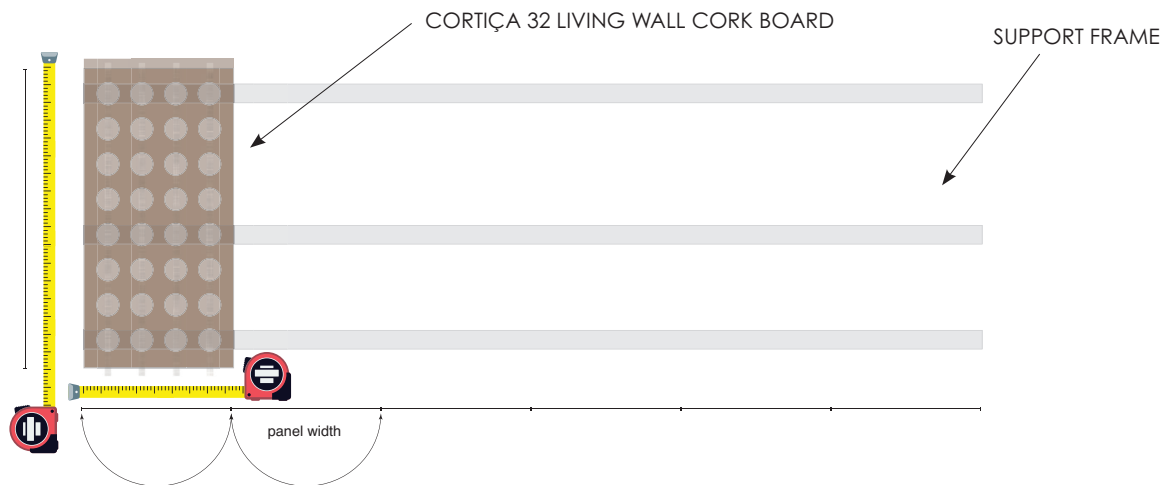
Using chalk and tape measure, mark the location of the Living Wall on your indoor wall.

Please refer / follow **waterproofing membrane** manufacturer direction on how to apply.

How to Build the Support Structure

Example Below: For a [6pcs] Cortiça 32 Living Wall Cork board single row panel installation, the support framework will need to have 3 horizontal ledgers and 2 (optional) vertical ledgers with at least one horizontal ledger in the middle of framework.

TIPS: For a precise and neat look, the support framework needs to be of equivalent dimensional size (Height and Width) to the overall number of Cortiça 32 Cork panels used on the living wall.



Ledgers Installation

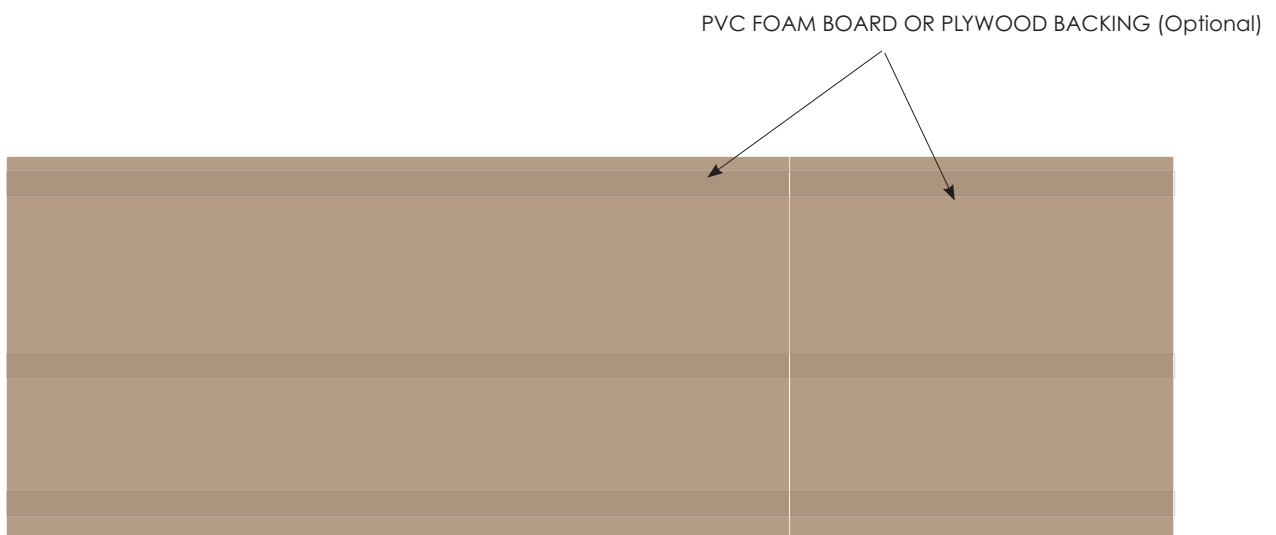
1. Find the lowest corner of where you want the living wall to be located on your wall structure. Measure the elevation of this point from ground level. Mark the location on the wall with a construction pencil or other marker as your bottom point.
2. Measure out the distance needed opposite side lowest point.
3. Measure an equal distance to the ground level and mark this spot on the wall.
4. Using your blue chalk line snap a line between these two points.
5. Check the blue line for levelness. If this is not level; adjust your line to level.
6. Secure the first horizontal ledger to the wall with the appropriate anchoring bolt/screw. This may involve pre-drilling holes in the ledgers in order to easily secure ledger to the wall. Locate the next ledger and repeat steps 1-6 with the following exception: Instead of measuring from ground level use the first ledger to determine the height of the next ledger. Repeat for each of the horizontal ledgers.

PVC Sheets / Plywood Barrier Installation (Optional)

An optional layer for additional protective support barrier such as ¾" Marine grade Plywood – or ½" PVC Foam board can be added over the ledger structure . Depending on the size of your wall the sheeting may need to be cut in a pattern for efficiently material sheeting.

7. Secure the PVC Foam board or Plywood Backing sheeting over ledgers utilizing a well-made screw. We suggest using a SPAX brand screw.

TIPS: Paint plywood with two coats of exterior primer paint for extra protection

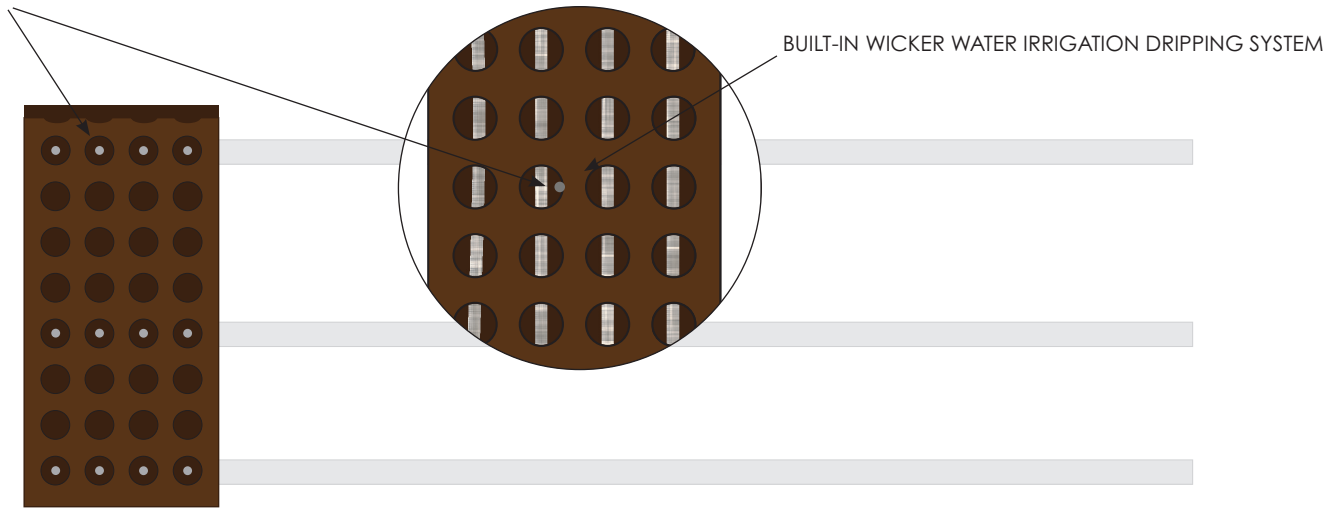


- !** Consideration needs to be made on the size and length of the screw in order to avoid additional penetration points into the building structure wall. Be very careful whenever penetrating an exterior wall with a drill bit or a bolt. Precautions need to take place regarding any unseen electrical or plumbing inside the wall. Striking either of these elements could cause severe damage by water leakage or electrical sparks that could trigger fire.

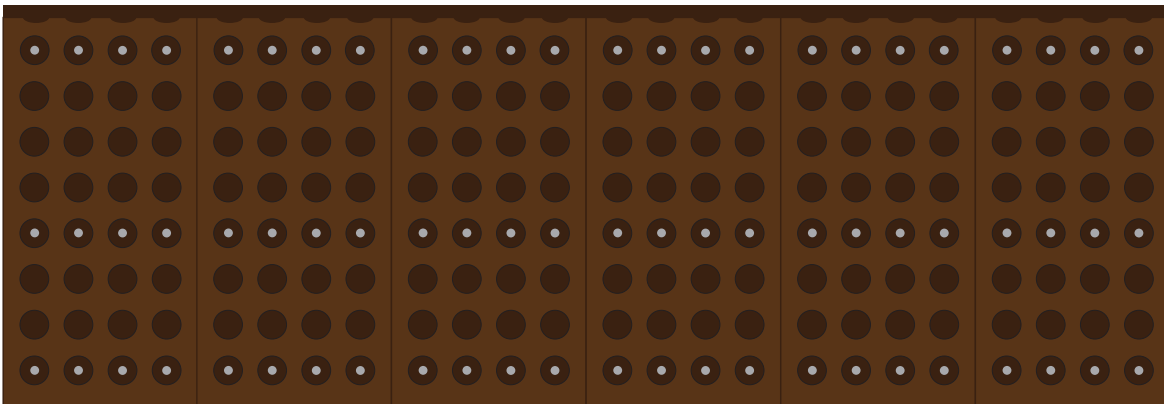
Cortiça 32 Cork Board Panels Installation

8. Install /secure each Cortiça 32 Cork Board on top of the PVC foam board or Plywood backing by screwing in through planting holes. **DO NOT screw on the cork or built-in wicker water drip system** but on the fomex backing of the board through the planting holes. Use at least 12 screws per cork board.

12 SCREWS PER EACH CORTIÇA 32 CORK BOARD (AS SHOWN HERE WITH GRAY DOTS)



9. Repeat process for each Cortiça 32 Cork Board Panel.



10. Irrigation system (drip line or water tank) will need to be installed before planting.

For Irrigation and planting instructions see our additional C32 guides www.Corticagarden.com/C32

Cortiça Garden



C O R K L I V I N G W A L L S Y S T E M S

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