



Durastone Panels Installation Instructions

Thank you for purchasing Entre Prises Climbing Panels. With proper installation and use these panels will provide years of climbing enjoyment and can be added to or reconfigured to provide additional challenge or pleasure in your climbing experience.

Please read these directions completely prior to starting installation or handling the product.

For Further information, please visit www.epusa.com

Warning!

Climbing is an inherently hazardous and dangerous activity that involves both inherent and extrinsic natural and artificial risks and other hazards of injury, damage or death that may result in all manner of harm, loss, damage, property damage, serious personal injuries, or death to you, your heirs, your assigns, your child or minor and/or others. For example, such risks include but are not limited to: (A) falls from the climbing surface onto the floor, rock surface, projections or other objects; (B) falling onto other present; (C) climbers or other objects falling onto you; (D) improper use, installation, or maintenance of equipment and/or apparatuses; (E) equipment defects or malfunction; (F) failure to follow proper climbing proper climbing procedures; (G) improper or insufficient training, supervision and/or instruction; (H) cuts and abrasions resulting from skin contact with the climbing wall; and (I) failure of any part of the climbing wall structure.

You expressly assume any and all risks and responsibility and agree that Entre Prises USA, Inc. shall have no liability to you or to any other party to anyone who may claim through or under them for any injury, claims, losses, liabilities, demands, actions, suits, attorney fees, compensation of any kind whatsoever, harm, loss, damage, property damage, personal injury, or death to you, your heirs, your assigns, your child or minor, or others present or future, known or unknown, anticipated or unanticipated, resulting from, arising out of, or any way relating to your use or presence in the facilities' equipment, climbing walls and apparatuses or any rescue operation, whether such claims are for negligence or any other theory of recovery, except for any liability arising for intentional misconduct or gross negligence.

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Handling Recommendations:

When handling panels you must protect the corners from hitting other hard surfaces as this is likely to cause the panel to chip. For that reason, make sure to protect the panel until you are ready to mount the panel on the wall. Once the panel has been correctly installed this is no longer a concern since the corner will be protected by other panels."

We recommend wearing work gloves and long sleeve shirts while installing the panels

Tools/Materials Required

Tools Required:

1. Tape measure
2. Wall stud locator (if mounting to stud wall construction)
3. Level (4' recommended)
4. Cordless drill driver with a square screw drive bit
5. Marking tool (pencil) and Chalk line

*Suggested:

1. Rubber Mallet
2. Work Gloves and long sleeves are recommended

Material required (not supplied with panels)

1. 2 x 4 and 2 x 6 ledgers to span width of wall
*1 panel high=3 ledger boards in appropriate Width (1 panel = 48" wide)
*2 panel high=4 each 2 x 4 and 1 each 2 x 6 ledger boards in appropriate Width (1 panel = 48" wide)
2. Hardware for attachment of 2 x 4 and 2 x 6 ledgers to existing wall-dependending on existing wall type (see below for Load Requirements)
3. Construction adhesive

*Note: A minimum of two people are recommended for climbing wall installation

Determine Existing Wall type to Determine Appropriate Attachment (Load Requirements)

It is the responsibility of the Customer to determine the type of wall they wish to attach their Entre Prises Durastone Climbing panels to. After determination of the wall type, the Customer will need to select the correct fastener for their particular type of wall. This is best done by contacting a local fastener store, such as Fastenal, Hilti, or Powers Fasteners (www.fastenal.com / www.hilti.com / www.powers/mechanical.com). Use the following criteria (based on your wall type) to determine the best fastener.

The ledgers that are to be fastened to your wall need to be able to carry a minimum load of:

Vertical load-60 lbs/linear foot of ledger board

&

Lateral load-60 lbs/linear foot of ledger board

Under no circumstance shall climbers over the weight of 225 lbs. use the climbing wall. Damage or serious injuries may occur if the above criteria are not followed.

Under no circumstances shall climbing panels be installed in a more-than-vertical (overhanging) orientation. The panels and ledger board loading criteria are designed for vertical installations only.

The warranty shall be null and void if all the conditions and recommendations for this product are not followed.

Planning (Stud Wall Shown)

All Entre Prises Climbing Panels can be mounted in any of four positions to provide a varied and attractive appearance to your finished climbing wall.

NOTE: Climbing panels should NOT EXCEED TWO PANELS HIGH!

1. Verify the stud spacing that was used in the construction of the selected wall. Mark the location(s) of each stud that will be used to mount your Climbing Panels.



2. Determine the center stud for the area to be covered by your Climbing Panels and mark a vertical plumb line down the center of this stud.



3. Determine the width of your wall by multiplying the number of panels by 48". From the centerline, count and measure one half of the width to the left and then half to the right and mark these two locations. The distance between the far left and the far right mark is the width of ledger boards that will need to be mounted on your wall.

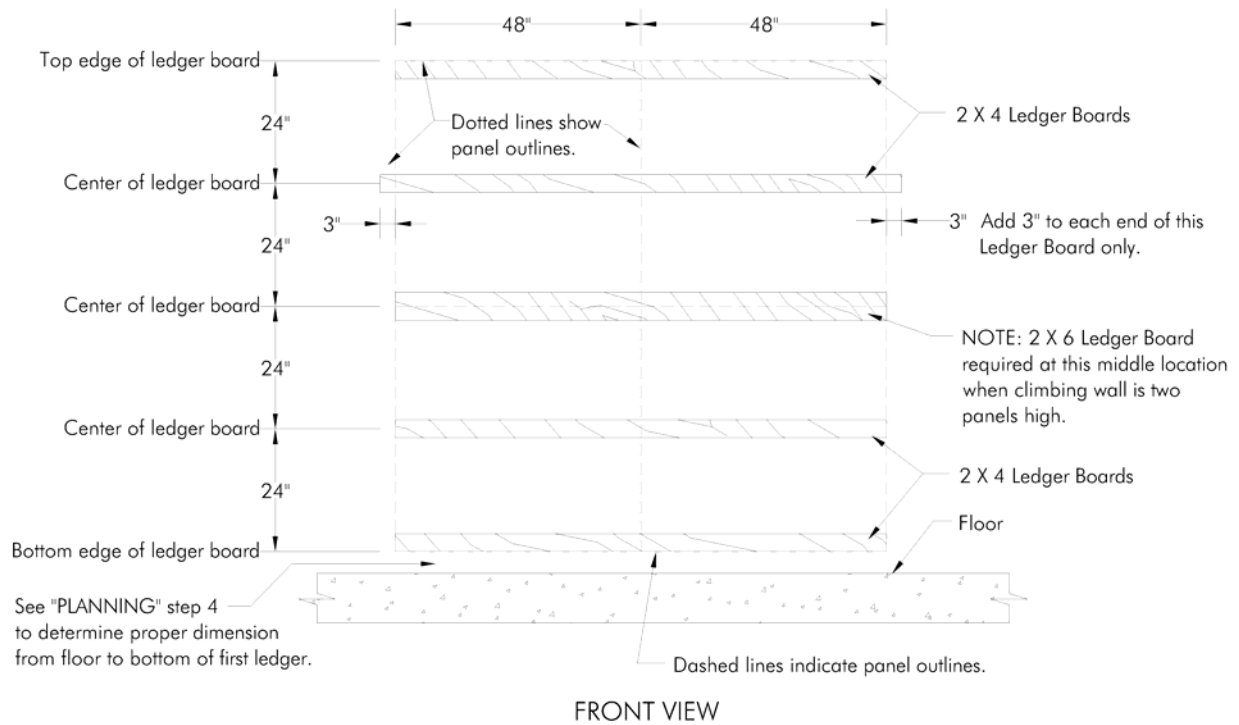
NOTE: Ledger boards are NOT supplied. The customer must purchase the appropriate number and length of lumber for mounting your climbing panels. Entre Prises climbing panels are to be mounted ONLY to a vertical wall surface and NOT to a TILTED or OVERHANING wall!

4. Climbing Panels should be used in conjunction with appropriate landing pads. Measure the thickness of your chosen pads and mark that distance up from the floor on your wall (Entre Prises USA mats are 2 inches thick). Or measure to the top of the floor base material (baseboard). The bottom edge of the bottom ledger board will start at this mark.
5. Measure from bottom point up 48" for 1 panel, or 96" for two panels. Mark this point; this is the top point for the wall. The top edge of the top ledger board should be aligned to this mark.
6. Mark the location of the remaining ledger strips as show starting from the bottom reference line.
 - 2 panel high=5 ledger rows
 - 1 panel high=3 ledger rows

Mounting Ledger Boards

NOTE: Climbing panels MUST be mounted on ledger boards and NOT attached directly to your wall. The panels are manufactured to allow a space behind the panel for climbing hold mounting bolts.

Use construction adhesive on ledger boards when mounting to ensure strength of attachment to existing wall regardless of the wall type. All hardware used to attached ledger boards to the existing wall must be flush(at a minimum) and not project out beyond the face of the ledger boards, so as not to conflict with the Durastone Panel installation.



For the Locking Mat System: The 4th ledger from floor needs to be 3 inches longer on each end of the wall to mount the eye bolt for the climbing pad security lock.

1. Cut ledger boards to lengths that will span the full distance of the width of your finished climbing wall.

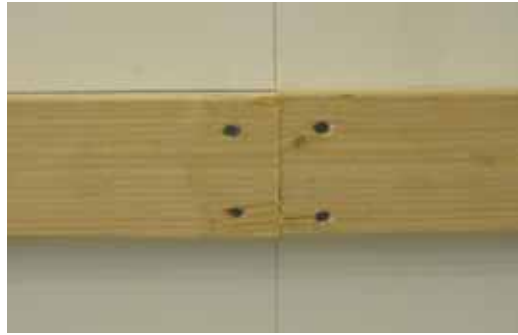
1 panel high= 3 rows of ledger boards
 2 panel high= 5 rows of ledger boards (see photos)



1 panel

2 panel

NOTE: If more than one board is needed to complete a horizontal run, the boards must be mounted so that the joint between the two falls in the center of a stud.



2. Starting with the lowest mark on the wall (the height of the landing pads or the baseboard), using two screws at each stud, mount the bottom row of ledger boards so that the bottom edge of the board is at the top edge of the landing zone mark. Using a level or a chalk line, mount the ledger board to each of the wall studs with appropriate screws (not supplied) that are 3" – 3 ½" in length. When fastening ledgers, screw in both ends of ledger first, then fill in middle fasteners to ensure ledger is level (use a level as 2X material is often not straight). Use two screws for each junction of the ledger board and the wall stud.

Mounting Panels

1. If the number of panels in a row is an *odd* number (see Fig 3.1a) set the first panel with the **center** of the panel aligned with the wall **center** line.

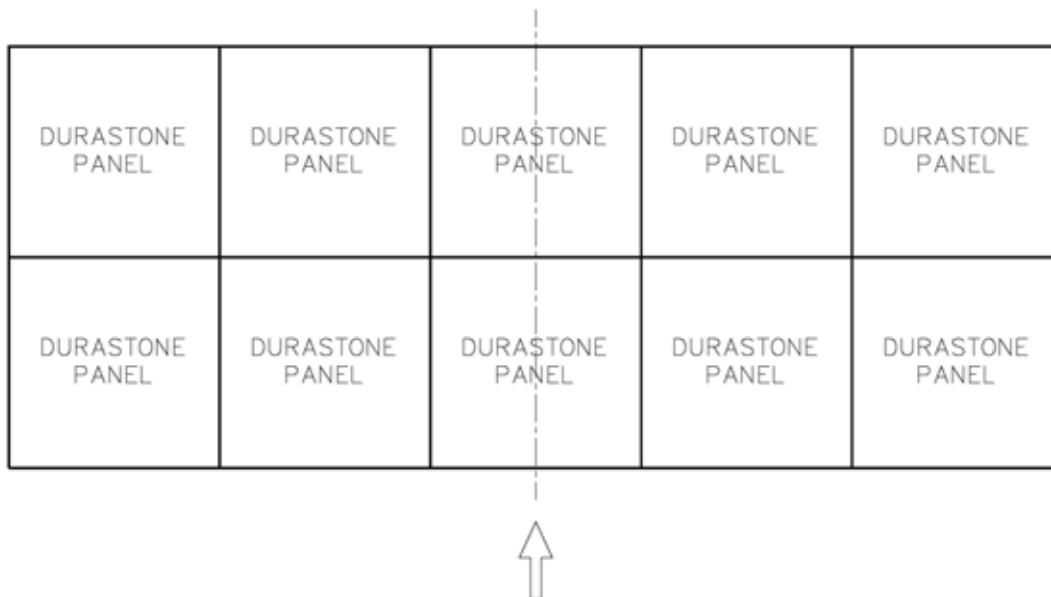


Fig. 3.1a

Center Line for Odd Number of Panels

If the number of Climbing Panels in a row is an *even* number, (see Fig 3.1b) set the first panel with the *left* edge at the *right* side of the vertical centerline.

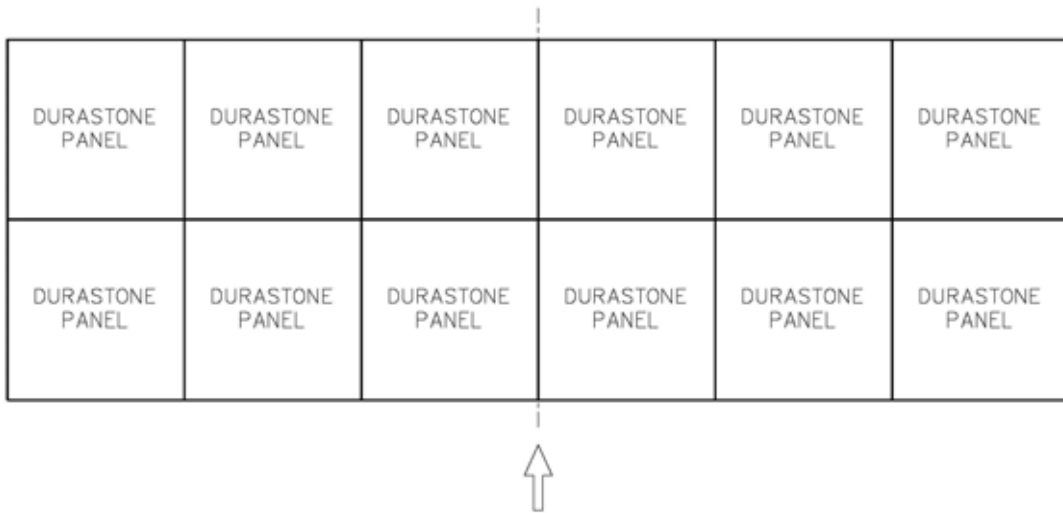


Fig. 3.1b

Center Line for Even Number of Panels

2. Start mounting panels with the bottom row. The bottom edge of the bottom panel must be aligned to the bottom edge of the ledger board. Attach the panel using the screws provided. (9 per panel)

NOTE: You will see a recessed circle at each point where the screw should be placed. Each panel will thus receive 9 screws. The screws should penetrate the panel and the ledger board and be seated flush to the surface of the panel. (Fig 3.2) Screws can drive directly through the recessed circles or you can pre-drill the circles with a drill bit.

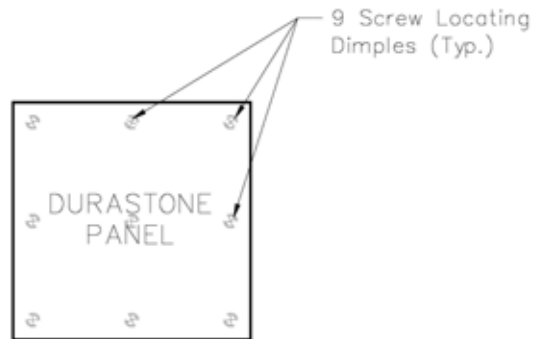
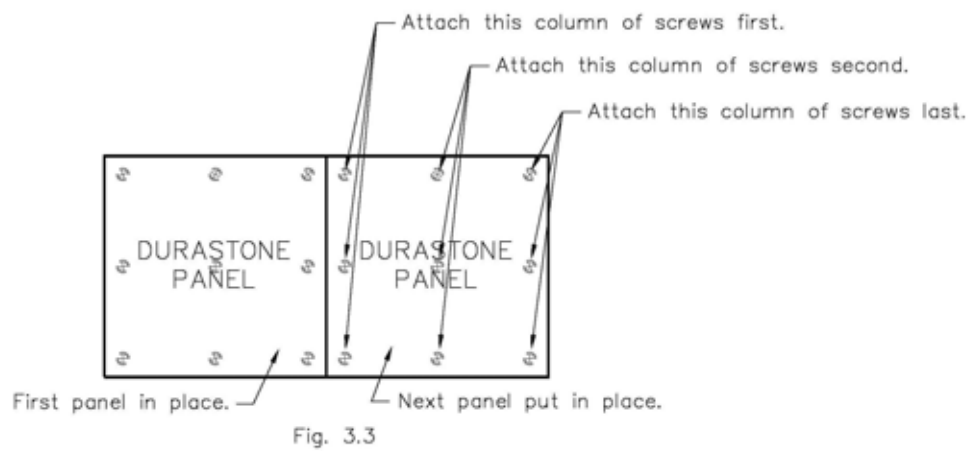


Fig. 3.2

3. BE SURE YOUR FIRST PANEL IS LEVEL!
As panels are mounted and pulled tight to the wall, small cracking sounds may be heard. Slight surface cracks are normal and do not indicate a problem.
4. Continue to place panels to the left and right of the first panel keeping each panel plumb and square to those adjacent. Insert the required 9 screws in each panel. Once the bottom row has been completed, repeat the process for the second row above, keeping each panel aligned with those adjacent. AGAIN, start with the center panel and work to the outside.



NOTE: Always attach the screws in the locations closest to the previously mounted panel FIRST before attaching the remaining screws. (Fig. 3.3)



A space of approximately 1/8" is normal and should allow for minor adjustments to keep panels properly aligned.

Mounting Handholds

Step 4: MOUNT HANDHOLDS: At this point you will want to attach a selection climbing holds to set a route and difficulty level in keeping with the climber's skill and training objective. Climbing holds are sold separately and are available from Entre Prises USA at www.epusa.com

WARNING! Climbing holds MUST BE MOUNTED ONLY at the designated locations and with the proper hardware and tools designated for use with climbing holds. Do not attempt to add additional hold locations to your climbing panel. (Fig 4.1)

When mounting holds, choose a hold that sits entirely flat against the panel. Do not over tighten.

As hand holds are applied and climbed on for the first few times, some slight crackling sounds may occur. This is normal to the hold seating onto the surface. Additionally, you may see slight surface cracking on the panel; this is normal and non-structural.

WARNING: DO NOT MOUNT HAND HOLDS USING A DRILL OR DRILL DRIVER. HOLDS MUST BE MOUNTED WITH HAND WRENCHES SUPPLIED BY HOLDS MANUFACTURERS AND NOT WITH POWER TOOLS!

DO NOT OVER TIGHTEN!

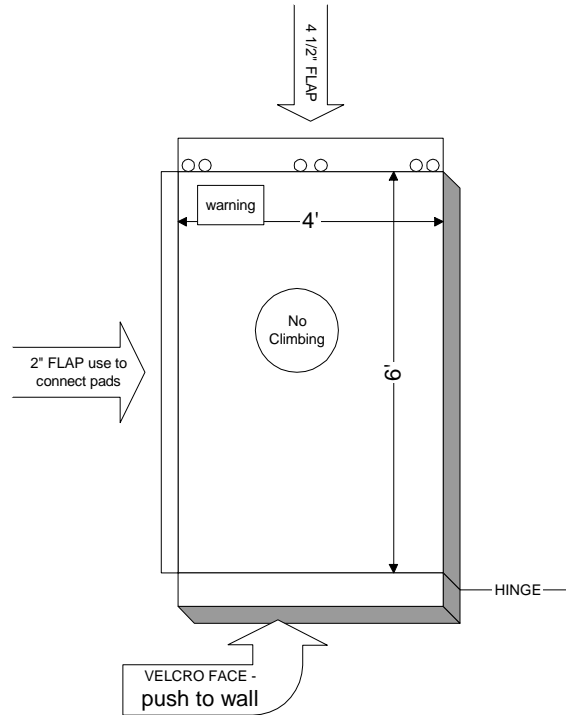
Installing Floor Mats

Note: Entre Prises Climbing Pads are designed for two panel high installations.

Step 5a: Landing mats are a required part of a climbing wall installation. To install Entre Prises Climbing Panel Floor Mats, first attach the loose (free side) half of the Self Adhesive Velcro strip (48" wide) to the wall immediately below the bottom row of panels. Ensure the surface that the adhesive is attaching to is cleaned prior to attachment.

Step 5b: Next, lay the climbing pads on the floor with the "No Climbing" side down, connect all climbing pads together using the 2" Velcro flap on the long (6') side of the pads.

Step 5c: With the "No Climbing" side down, push the mat side Velcro on the 6" hinged end of the assembled set of pads against the Velcro previously attached to the wall. See figure below.



Securing Floor Mats

(When not in use)

To secure your climbing wall when not in use, raise the pad from the outside edges, leaving the hinged Velcro® edge attached to the wall. Then, loop the bungee cord over any positive hold at the appropriate height. If it is necessary to pad lock the mats, thread a cable through the sleeve just below the bungee cords and secure at both ends to an eye bolt with pad lock (these materials are not supplied by Entre Prises).

OPTIONAL TRIM: If you choose, you may want to apply standard interior trim molding (not supplied) around the perimeter of the wall for a more finished look. This is not necessary to the proper function of the wall.

Enjoy your climbing, Be Safe.

WARRANTY

Entre Prises USA (manufacturer) warrants that the Durastone panels (Product) are manufactured in a good and workmanlike manner, and shall be free of material defects for a period of 30 days from the date of sale (defined as the date that the Product is shipped from the manufacturer's loading dock) under normal use and maintenance by Customer and Customer's patrons.

During the 30 day warranty period, the manufacturer shall at its option and cost, repair, replace or patch all or any part of the Product which is found to be defective. Manufacturer shall have the right to inspect any Product which is claimed to be defective either at the manufacturer's place of business or, at manufacturer's option, at Customer's place of business.

EXCLUSIONS:

- Any damage to the Product which may occur during shipping, handling or installation
- Any portion of the Product or its components that have not been properly maintained, or which are subject to accident, alteration, misuse, abuse, neglect or negligence by the purchaser of the Product, or its patrons
- Damage caused by any use which is not the intended use of the product
- Corner damage or chipping, minor surface cracking, small air pockets, dimensional variances, surface irregularities, color variation or irregular appearance which are normal occurrences for these Products

MANUFACTURER'S WARRANTY AS SET FORTH HEREIN IS EXPRESSLY IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE NOT EXPRESSLY SET FORTH HEREIN.

IN ANY EVENT THE MANUFACTURER SHALL NOT BE LIABLE TO ANY PARTY BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT LIABILITY OR OTHERWISE FOR ANY PUNITIVE, INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOST REVENUES AND PROFITS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

If you are not satisfied with your purchase, you may return the Product within 30 days from the date it was shipped from Entre Prises, for a re-stocking fee of 20%. Return freight shall be paid for by the Purchaser. The Product must be re-packaged in its original packaging materials and returned in perfect condition able to be re-sold, as determined by the manufacturer, for the return to be accepted.

If the Product is found to be defective within 30 days from the date it was shipped from Entre Prises, the Customer shall provide proof of such defect, for the warranty to be accepted. In the event a legitimate manufacturer's defect is found and approved for return by the manufacturer, the Customer shall re-package the Product in the original packaging materials and the manufacturer will arrange for pick up of the Product. The Customer shall obtain a return authorization from the manufacturer prior to pick up and return. In such event, the manufacturer will pay for return freight. New product will be shipped to the customer at no cost.

EXCEPT AS PROVIDED FOR HEREIN, THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES RELATED TO THE PRODUCT.