

TECHNICAL NOTE



THE SOUND SOLUTION

A Division of  Hoover Treated Wood Products, Inc.

PLYWALL® SOUND BARRIER INSTALLATION INSTRUCTIONS

Shipping

- Shipment is by truck to the job site. Panels arrive fully fabricated and ready to install.
- Unloading requires a large forklift or crane; bundles can weigh as much as 8,000 lbs.
- Panels are stacked flat in bundles 8ft across, requiring long forks if a forklift is used.
- Shipping usually consists of posts on the first load; however, loads can be mixed with both posts and panels if desired. This needs to be communicated to PLYWALL®'s sales office at the time of order.

Components of _____ Linear Feet of _____' x _____', _____ PSF, PLYWALL® Noise Barrier

- _____' x _____' panels.
- _____" x _____" x _____' Power Preserved Glulam® Post
Requires a _____' minimum embedment depth, _____" minimum auger size, and 1500psf minimum soil pressure.
- _____" x _____" x _____' Power Preserved Glulam® Corner Posts will be required with _____' embedment depth, _____" minimum auger size, and 1500psf minimum soil pressure.
- _____" x _____" x _____' Cleats will arrive pre-drilled and ready for attachment to Power Preserved Glulam® posts.
- _____" cleat nails.

Installation Guidelines

- Bore postholes to depth and diameter specified above.
- Post backfill is specified as 1/2" clean and well-graded stone.
- Compaction shall be achieved by making a minimum of three passes per 6" lift with a flat-faced mechanical tamper.

- Posts are engineered with one foot extra in length, which can be trimmed at the top or left for decorative purposes.
- Once posts are set, attach the rear cleats to the Power Preserved Glulam® posts. Nail the cleats to the post through all predrilled cleat holes. Attachment of all cleat nails is required to achieve the wind load rating. Failure to do so will cause an unsafe situation.
- Place the panel against the rear cleats and attach the front cleats. The panel bottom should rest directly on the ground.
- When stacking panels, larger panel is placed on bottom. Make sure to cut the straps off of the bottom panel before setting the top panel. Next, slide the top panel in between the front and rear cleats using a crane or boom truck.

Important Installation Tips

- The panel and cleats will rest firmly on ground. The panel is designed to withstand ground contact.
- Cleat nails shall be hammered through each pre-drilled cleat holes into Power Preserved Glulam® posts, not through the panel. The panel must be allowed to “float.”
- Cleat length should align with the panel height.
- Posts shall be set at the embedment depth specified in these installation instructions, no less. Failure to do so will cause and unsafe situation.
- The stone backfill could be covered with at least a 3” soil cap to retard water intrusion.

