



## Installation Guidelines for Panels

### Phoenix Leather Belt Panels

You must read and understand these instructions completely before installing panels. In the event these instructions leave unanswered questions or if you would like additional information, please contact us at 301-424-7717 prior to beginning installation. It is the responsibility of the installer to determine suitability of EcoDomo Panels for each application.

### SUMMARY

EcoDomo panels can be installed on walls using French cleats, Z clips or PL-400 adhesive over a primed substrate. The panels need to be acclimated prior to installation and laid over a smooth, primed surface. You can also secure the panels by screwing in directly through the belts in appropriate locations into the wall & finish the screws with a decorative cap to harmonize with the belts.

Panels installed on ceilings should be installed with the PL-400 adhesive and screwed in place with a minimum of a 2 1/4" screw in wood or concrete. Square head screws are recommended as they can easily be finished with a decorative "fast cap" screw cap.

### GENERAL PREPARATION

Panels are the last thing you want to install in a room. Take the panels **out of their boxes and remove from plastic** and let them acclimate in the room designated for installation. **ALLOW THE PANELS TO ACCLIMATE OUT OF THE BOX, FANNED OUT AND ON-SITE, FOR A PERIOD OF 48-72 HOURS AT ROOM TEMPERATURE DEPENDING ON SITE AND LOCATION.** Never install Panels below 55F (12°C) and 90F (32°C) due to humidity. Keep the doors closed during the acclimation period to maintain the room temperature. The permanent HVAC should be on and done in the environment in which it is expected to perform prior to installation.

- Check that the substrates - wall or ceiling - is firmly fastened to the original subfloor.
- Use a belt sander or sanding block to smooth out any rough areas.
- The prepared surface must be smooth, clean, dry and dust-free.
- Ensure you reviewed the panels for color and mix and match lots when installing, as necessary.

Panels must not be installed in a concrete slab if vapor pressure exceeds 3 lbs. per 1000 square feet in 24 hours as tested according to ASTM F 1869 (calcium chloride test method). Preferably the slabs should be tested according to ASTM F 2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In Situ Probes) Panels must not be installed if the relative humidity inside of the concrete slab exceeds 75%.



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## SUBSTRATE SPECIFICATIONS

No installation is better than the substrate over which it is installed. The finished appearance and performance of the panels will be determined by the condition of the substrate. The substrate must be structurally sound, rigid, smooth, flat, clean, and permanently dry. Any painted surface must have a strong bond- any signs of peeling will ensure problems with the panels. The substrate should be smooth and free of dirt, waxes, polish, old adhesives, and voids.

We recommend the application of Kilz water based General Purpose Latex in order to seal the substrate and limit dust and moisture variation. This is a similar process to sealing a wall when installing wallpaper.

Layout your pattern as you would for tile work. Chalk your lines onto the ceiling or walls.

## INSTALLATION

For walls and ceilings, we recommend either of these options:

- a) the application of PL-400 panel adhesive following the manufacturer's instructions. The panels should be free of dust at the time of application. Apply the adhesive within 2" from the sides of the panels and do an "X" with the adhesive for every 24" x 24" surface within the panel. Apply firmly in place the panels to the wall or ceiling. The weight of each panel determines the suitability of PL-4000.



For ceilings, each corner of the panels should be screwed in place in addition to the placement of the adhesive with 2 1/4" screws. Additional screws should be placed on the edges of the panels in the ceiling studs no more than within a range of 24" from each other to ensure the stability of the panels.

- b) Installation with Z-Clips or French Cleats will follow the general recommendations of the manufacturers of the systems a/o recommendations of the architect. Each application is reviewed with the client at the time of identification of the panel options.
- c) You can also screw through the panel directly into the wall or substrate. The screws can be placed within the panel in appropriate areas with a decorative cap – making the screws part of the flow of the belts.

There is no need to apply a wax sealer or other protective finish on wall panels.

Keep HVAC systems set at 70F (21C) and 35%-55% relative humidity. A humidifier may be required in the winter months to prevent movement and shrinkage to a minimum.

**NOTE:** EcoDomo makes no warranty or guarantee of the quality of work performed by a selected installer. EcoDomo disclaims all liability for imperfect installation of its product. This warranty does not cover material with visible defects once they are installed in error. EcoDomo declines responsibility for failure resulting from or connected with subfloor or job-site damage or deficiencies. These tips and photo guides are a general guideline to assist with installation of the product provided for reference only. A deviation from the instructions voids any responsibility of EcoDomo LLC.

