

# Platt Designs

## Installation Instructions - Planks and Panels

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### TOOLS

4" grinder, reciprocal or table saw with a dry diamond blade. Drill, mixer blade, bucket, min 48" level, trowel, tape measure, square, mason string, chalk line, sponge, grout bag

### MATERIALS

Polymer modified thin set, 1@ wood 96"- 2" x 4" stud, shim materials, optional leveling clips, cement mortar if a thicker buildout is required, Sealer

### SUBSTRATE CONDITIONS

Brown or scratch coat plaster, Cmu block, brick, concrete, cement board.

Prepare the substrate condition so that it is clean and level with no obstructions.

### MATERIAL STORING & HANDLING

Store materials in a clean and dry area. Make sure that the panels or planks are sitting vertically on their longer edged side. Make sure to keep them tight together and straight to help prevent warping.

### PROCEDURE

- 1) Carefully dry fit the materials on a flat surface if a specific layout of colors and textures are desired.
- 2) Check wall and ceiling conditions to make sure they are straight and plum and that they are clean.
- 3) With a pencil or caulk line mark the starting, centers and end points to create the most even and natural layout.
- 4) Cut planks to length for chosen layout, then dry fit them together to ensure they are a tight fit. Next if there are outside corners cut end miter at a 45 degree angle that will then be tightly mated to the another plank to create the corner.
- 5) Then lay the precast plank face down on an 8' x 2"x 4" wood stud which will help support the piece as you lift it onto the wall.
- 6) Wet the back of the plank or panel and the substrate with a sponge and then apply the thin set to the plank and the substrate surface making sure to have full coverage on both.

### PROCEDURE

- 7) Now apply the plank to the substrate and use a level to making sure that it is plumb and level. We recommend a 1/16" joint to give ample space for the matching grout material. Shims or leveling clips can be used to help with the spacing and secure while drying.
- 8) Once materials have set remove any shims or spacers. If any additional chiseling or chipping of the raised spillage joint is desired it can be done now.
- 9) Next mix up the supplied matching grout to your preferred consistency and put it in your grout bag. Carefully fill the tight joint along the edges and sponge off any residual before it dry's.
- 10) For outside corners we recommend using a matching sanded caulking instead of grout. The goal here is to skillfully get the caulking in the miter and have it stick out slightly to hide any cuts and resemble a real board formed concrete corner.
- 11) Finally detail and clean all the finished materials and and once dried we recommend the application of a high grade penetrating sealer.

### ADDITIONAL NOTES

- \* When installing in a freeze thaw environment, extra care should be taken to make sure full coverage of thin set mortar on the substrate and the precast material. This is necessary to ensure no air pockets are behind the materials that could trap pockets of moisture.
- \* Always use a wet sponge to wipe off any dust or mortar during the installation or it will show once it has dried.
- \* We have a special Dry Treat sealer available for purchase that can be applied after installation.
- \* If more modeling is desired you can contact a patina artist or experiment with some lightly stained water on some of the scrap pieces to try and find the desired finish you are looking for.
- \* Please follow all of your local building codes and safety regulations.

\* Email us if you have any other questions: [allen@plattstone.com](mailto:allen@plattstone.com)