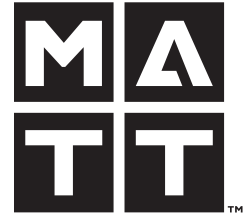


# MATT™ Concrete Panels

## INSTALLATION

## INSTRUCTIONS

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*Thank you for incorporating MATT™ Concrete Panels into your project!*

These installation instructions will provide you with the steps necessary to install and finish the panels. These instructions are to be used as a guideline only. As such, MATT™ Concrete cannot be held responsible for layout design or improper installation.

## PRODUCT DESCRIPTION

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MATT™ Concrete Panels are handcrafted, modular concrete panels made to order, then installed on site by an installer. MATT™ Concrete Panels have ultra-thin concrete overlays that mimic a diverse range of concrete architectural styles and can be customized to fit your specific design needs. MATT™ Concrete Panels are great for a feature wall, millwork, backsplash and fireplace applications. Installers do not have to use any specialty equipment to install.

MATT™ Concrete Panels lends itself to unlimited possibilities when it comes to customized and innovative design solutions. Unlike other concrete backing boards, MATT™ Concrete Panels are designed with the end customer in mind. MATT™ Concrete Panels are finished with 1/8" of concrete on our panels, ready for easy cutting and installing.

## TECHNICAL DETAILS

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We offer two types of panels:

MATT™ Concrete

**Base Panels** dimensions:

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- **Length: 5'**
- **Width: 3'**
- **Thickness: 1/2" or 1/4"**
- **Weight: 40 lbs +/- (2.6 psf) / 20 lbs (1.3 psf)**

Note: Base Panels are fire-rated.

MATT™ Concrete

**Wall Panels** dimensions:

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- **Length: 8'**
- **Width: 3'**
- **Thickness: 1/2"**
- **Weight: 50 lbs +/- (2.1 psf)**

Note: Wall Panels have a plywood core and a 430 lbs screw face hold.

# TOOLS & MATERIALS

## INSTALLATION TOOLS & MATERIAL

The following tools are recommended for the installation of MATT™ Concrete Panels;

- **Saw\* and HEPA vacuum system**
- **T square or Straight Edge**
- **Laser Level or Level**
- **21-gauge or 23-gauge Brad Nailer (18-gauge optional) & 1-1/2" Brad Nails**
- **Glue: Liquid Nails Fuze-It or equivalent**
- **Caulking: Dap Concrete & Mortar Filler & Sealer**
- **MATT™ Concrete Touch Up Material**
- **N95 Dust Mask / Noish P100 respirators**
- **Personal protective eyewear**

**\*Note:** MATT™ Concrete Panels behave and cut like wood, therefore making them easy to cut with most saws including a Track Saw, Chop Saw or Jigsaw. We recommend using a track and vacuum HEPA saw system such as Festool, Mikita or Dewalt for best results.

## SAFETY FIRST!

**PPE:** When cutting or sanding MATT™ Concrete Panels, be wise to yourself and environment you are working in - cut outside or in a well-ventilated area and ALWAYS while utilizing a HEPA vacuum saw system.

Protect against Crystalline Silica or Silica, trace amounts may be present in certain finishes.

**Therefore:** ALWAYS wear personal protective Eyewear, use Noish P100 respirators(or equivalent) when cutting panels and N95 dust masks while handling/installing the panels to aid in inhaling dust particles.



# INSTALLATION OVERVIEW

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Think of MATT™ Concrete Panels as you would plywood or tile, prepare your design with the end in mind. Have a sketch or blue print to help with the layout. The panels can be used whole or cut into smaller pieces or lengths.

**MATT™ Concrete Panels can be applied directly to the following substrates:**

- **Plywood (preferred choice)**
- **Concrete board**
- **Hardie board**
- **Drywall**
- **MDF board**

## **Fireplace Substrate**

When framing a fireplace setbacks and clearances are established by the building codes in your area. The specific gas insert or wood burning fireplace manufacturer will define the non-combustible substrate area. The remainder of the substrate can be built out of ½" plywood which has been primed (1 layer) for best adhesion.

## **Wall and Ceiling Substrate**

For best results, clad framed walls with ½" plywood or ½" drywall. Tape and prime with 1 layer for best adhesion.

## **CUTTING MATT™ CONCRETE PANELS**



MATT™ Concrete Panels can be cut to size when a whole panel is not needed. Simply measure and mark the panel to fit the space to be covered. There are several ways to make a cut:

Always use a track and vacuum saw system for clean and straight cuts. A jig saw, circular saw or chop saw can be used to make custom cuts for small areas. For best results always use a new ("sharp") saw blade when cutting MATT™ Concrete Panels to create laser sharp edges. A carbide concrete blade is not necessary to cut MATT™ Concrete Panels.

# INSTALLING PANELS

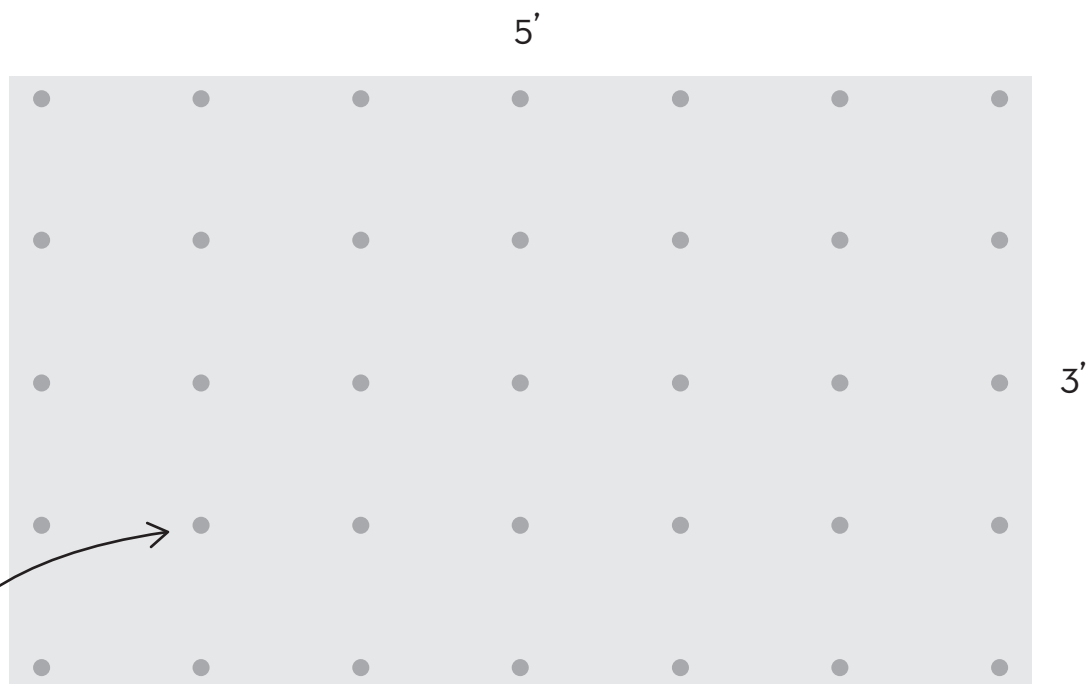
## GENERAL INSTRUCTIONS

When using MATT™ Concrete Panels make sure you have a T square or a right-angle guide to help keep your lines for cut out areas such as for a tv fixture, a power or cable supply box. Make the cuts prior to installing the panel.

### MATT™ Panel Glue Layout

Apply dabs of glue to the back of the MATT™ Panels.

In addition to the glue, use Brad Nails to attach the panel to the substrate.



- Make dabs of glue approx. the size of a quarter (1" w) and 1/4" depth.
- space them out approx. 8" apart from each other.
- and a 1/2" from the panel edge.

# INSTALLING PANELS

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## GENERAL INSTRUCTIONS CONT.

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### Corners

When mounting your panels to create corners you have a choice of doing a butt joint or a 45 degree miter cut. In both cases you want to make sure you have a generous amount of glue on the edges of both panels to ensure there is good contact with each board that is returning in for your corner. Apply glue and let dry for 12 hours. Use a utility knife to cut excess glue and then sand if required using 180 grit sanding block and a vacuum.

For high traffic corners, you can use a 45 degree miter on the edges and then Schluter FINEC edging or Tile Edge Tram ("L-Bead") to create a strong corner.

Use Brad Nails along the area to reinforce it and create a strong bond.

### Fireplace Surround Assembly

Once the framing/cladding is in place, the MATT™ Concrete Panels are ready to be installed. Always use a MATT™ Concrete High Heat ("HH") Panel around the insert/hot zone. Base MATT™ Concrete Panels can be used for the rest of the surround.

Determine the layout of where sheets are going to be applied to the surface before you begin. Start installing the panels from the bottom of the fireplace and work your way up. Use a laser level or level to ensure you have a level starting line.

When you are mounting MATT™ Concrete Panels above the heat source (directly above the insert), double check to make sure to use the MATT™ Concrete High Heat Panel.

To adhere the panels to the substrate, put Liquid Nails Fuze-It Glue around the outside edge of the panel. On the back apply lines of glue from top to bottom every 8-10", 1/2" depth. You can also apply glue directly onto the surface area where the panel is going to be placed. Run a bead of glue on the edge of the panel which has already been mounted. When the two panels join together the glue creates a peanut butter and jam effect. Nail MATT™ Concrete Panels in place using Brad Nails. Allow up to 24 hours for the glue to dry and panels to set.

### Wall/Drywall Mounting Assembly

As with fireplaces, start from the bottom up, applying panels on top of each other.

To install MATT™ Concrete Panels to wall substrates, refer to glue polka dot layout above. Nail MATT™ Concrete Panels in place using Brad Nails. Allow up to 24 hours for the glue to dry and panels to set.

# INSTALLING PANELS

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## FINISHING

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### Seams

Use caulking to fill in all the seams.

### MATT™ Concrete Touch Up Mix

Use the MATT™ Concrete Touch Up Mix is only required to cover 18-gauge Brad Nail holes (since 21-gauge and 23-gauge Brad Nail holes are not visible) or cover exposed edges. For 18-gauge Brad Nail holes just a small amount of the material is needed, think just enough to cover the pin hole. Let the area dry and then lightly scrap off with a plastic trowel. There is no need to sand this area, just wipe clean with a damp cloth.

For a butt end joint, wet the edge of the board and then putty the MATT™ Concrete Touch Up Mix on. Let it dry and then sand it with 180 grit sanding block and vacuum.

### Sealing

The last step of installing MATT™ Concrete Panels is sealing for high traffic areas (such as office walls or restaurants) or where you anticipate exposure to water or the possibility of staining (such as backsplashes or hood fans).

Always contact MATT™ Concrete prior to sealing so that we can recommend the appropriate sealer because the majority of panels are sealed as part of the finishing process.

### ***Aqua Mix - Seal & Finish Low Sheen***

This topical sealer adds low sheen and allows panels to be wiped clean with a damp cloth.

## STORAGE

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MATT™ Concrete Panels should be stored on pallets in a flat and level position.  
The panels should be stored in a dry area.

FOR TECHNICAL SUPPORT  
AND QUESTIONS CALL  
**+1.604.739.8447**