



# SYNTHESIS™

porcelain shower system

## Synthesis V-Series Vertical Porcelain Composite Wall Panels

Synthesis V-Series vertical porcelain composite wall panels are a lightweight, durable, and luxurious surfacing material for your shower surround, tub surround, or feature wall. Synthesis panels feature a mechanical fastening system and an integral moisture-resistant backer to save time at installation and significantly reduce breakage. Large format panels may reduce or eliminate seams in shower walls. Patent Pending.

### FEATURES

- Full-sized panels are shipped at 47-1/4"W x 94-1/2"H with six tracks mounted crosswise on the back of the panel
- Ideal for many standard and custom configurations
- Linear patterns run vertically when installed
- Can be installed from inside the shower using our proprietary clip and receiver system or from the backside of the shower using our back-of-wall attachment system.
- Ships in a 56"W x 103"L flat wooden crate \*



Synthesis panels can be installed in a fraction of the time needed for custom porcelain or tile.



Synthesis panels weigh less than 5 pounds per square foot.



Synthesis panels can be trimmed and scribed using a hand-held angle grinder. \*



Synthesis panels are compatible with a wide variety of shower bases and shower accessories.

\* Porcelain contains crystalline silica. Dry-cutting Synthesis panels may produce respirable silica dust which, with long-term exposure, is known to cause Silicosis, an irreversible but preventable lung disease, and may also cause other serious diseases including lung cancer. Always cut Synthesis panels with water and wear a safety dust mask approved for silica dust.

### INSTALLATION PRODUCTS (available at an additional cost)

#### Synthesis Installation Kit

- Includes essential tools for installing any Synthesis shower or tub surround.
- Contains our proprietary aluminum jig system, fixed clips, and epoxy applicator gun.
- One-time tool purchase can be used for multiple Synthesis installations.

#### Synthesis Cutting Kit

- Kit consists of the recommended tooling to cut and machine Synthesis panels. Core bits are included in the most-commonly used sizes. Additional tooling may be required on an as-needed basis.
- All tooling for use with a variable-speed electric angle grinder (not included).

Visit [SynthesisbyPCS.com/Products](https://www.SynthesisbyPCS.com/Products) for more information on these and other Synthesis products.



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## About the Synthesis Porcelain Shower Surround System

- All Synthesis panels may be trimmed for both width and height to accommodate a wide variety of shower and tub surround applications.
- Bottom panels may have up to 5" removed from the bottom edge.
- Top panels may have up to 22" removed from the top edge.
- Panels may be cut to any width.
- All pre-cut panels in the Synthesis H-Series Horizontal Standard Shower Surround Kit must be installed with a minimum of four clips or brackets. Additional clips or brackets may be needed depending on site conditions.
- All Synthesis H-Series Full Horizontal Panels must be installed with a minimum of six clips or brackets per panel. All Synthesis V-Series Full Vertical Panels must be installed with a minimum of eight clips or brackets per panel. Additional clips or brackets may be needed depending on site conditions.
- The cavities between the studs on the walls that will receive the porcelain shower wall panels MUST be open to allow the mechanical fasteners to engage.
- The system can be used with shower doors or shower curtains.
- The system can be used with recessed accessories such as one-piece shower niches and with wall-mounted accessories such as shower seats, grab bars, shelves, and soap dishes.
- The system is not offered with vein matching or book matching from panel to panel.



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### About your Shower Base or Bathtub

- Your shower base or bathtub MUST have an integral flange/water dam on all sides that will receive wall panels.
- Tiled Shower Bases must be level at the perimeter to avoid an uneven gap between the wall panels and the tiled floor.
- Modular Shower Bases and Bathtubs must have a level panel ledge, minimum 1-3/4" wide, at all sides that are to receive wall panels. A threshold is not required on shower bases.

### What WE Provide

- A complete shower surround package that includes your selected panels, as well as all the supplies and materials for a complete Synthesis porcelain shower surround installation.
- Synthesis vitrified porcelain composite panels bonded to a moisture-resistant backer and PVC tracks with a marine-grade epoxy adhesive. Depending on your selected panels and method of attachment, your package may include any or all of the following: PVC receivers, PVC clips, steel brackets, fasteners, waterproof flashing, closed-cell foam gaskets, spacers, adhesives, and color-matched silicone sealant.

### What YOU Provide

- A shower base or bathtub.
- Shower accessories such as shampoo niches, soap dishes, edge trim, grab bars, and wall-mounted shower seats.
- The labor and tools to install the system.

### Availability

Available in a variety of polished and satin patterns. Visit [SynthesisPCS.com/designs](http://SynthesisPCS.com/designs) for current selections.

### Pricing

All colors and finishes are sold at the same price.

### Shipping

All products are shipped FOB Solon, Ohio.

- The Synthesis H-Series Horizontal Standard Shower Surround Kit ships in a 10"H corrugated carton on a 53"W x 65"L wooden pallet. The shipping weight is approximately 550 lbs.
- The Synthesis H-Series Full Horizontal Panels and Synthesis V-Series Full Vertical Panels ship in a 55"W x 103"L x 15"H wooden crate. The crate will require fork extensions to unload. Shipping weight will vary based on the number of panels ordered. Contact us for a shipping weight estimate if necessary.
- The receiver must have a forklift or pallet jack available to receive the shipment.

### Warranty

We provide a robust 10-year product warranty on the Synthesis vitrified porcelain panels against material and manufacturing defects under normal use and service. Panel Composite Systems, Inc. warrants to the original end-user that we will repair or replace, at our option, any product found to be defective under normal use and care at no charge for a period of ten years from the date of purchase.

Visit [SynthesisbyPCS.com](http://SynthesisbyPCS.com) to download our full warranty document.