



TECHNICAL BULLETIN

WATERTIGHT SEAL

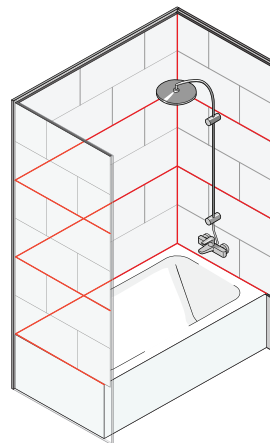


WATERTIGHT BY DESIGN

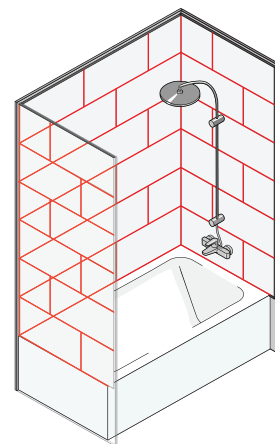
Six3Tile's Shower Surround Pro Kit and Tub Surround Pro Kit were designed to reduce the number of leak points in a shower or tub. In a traditional ceramic shower, redundancies are necessary all the way back to the studs to ensure the shower performs as expected to stand the test of time. Six3Tile significantly reduces the risk of failure by eliminating 90% of the leak points.

To guarantee a Watertight Seal, Six3Tile teamed up with Home Innovation Research Labs, a subsidiary of the National Association of Home Builders (NAHB). Home Innovation Research Labs has a team of professionals including electrical, mechanical, and structural engineers, architects, former builders, contractors and more. This team tested Six3Tile's Watertight Seal under two rigorous test standards used to evaluate shower performance and water resistance.

Note: The watertight seal applies to Six3Tile's Shower Surround Pro Kit and Tub Surround Pro Kit. The watertight seal is accomplished when the appropriate substrate is in place, Six3Tile is applied, and grouting and caulking have been completed.



leak points in Six3Tile® panels



leak points in traditional ceramic tile

STACKING ORDER

Tile panels are engineered to be stacked in a specific order.

It does not matter which of these panels is installed **first as the bottom**. The squared edge panel is installed last, at the top.

Each kit's panels will have two distinct profiles:

The **top** panel's top edge will be squared off, without a tab.

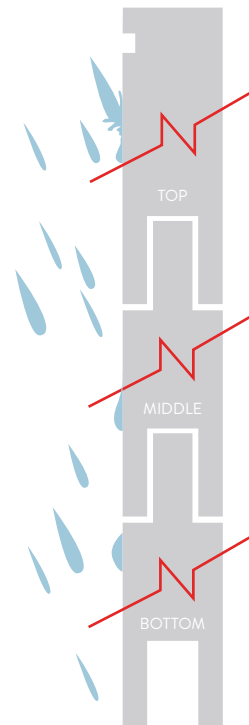


The **bottom** and **middle** panels are identical and have a groove cut on the bottom edge and a tongue on the top edge.



In this orientation, **water running down the face of the tile panel cannot pool and penetrate the seal.**

Six3Tile provides a top edge profile to give that professional look to the top of your Shower Surrounds. While Six3Tile does not offer bullnose tiles, this top piece gives a finished look to the top edge, eliminating the need for edge trim along the top.



HOW TO ENSURE A WATERTIGHT SEAL WITH SIX3TILE SHOWER SURROUND PRO KITS AND TUB SURROUND PRO KITS

A few specifications must be met to deliver on the watertight seal. Please read the requirements below carefully and contact the Six3Tile team at info@alerismfg.com with questions. Six3Tile, installers should:

- ✓ **Install panels on a proper substrate.** You can install Six3Tile over moisture-resistant drywall, cement backer board, or existing ceramic tile. The surface should be smooth and solid. Visit this [blog](#) to learn about substrates and adhesives you can use to ensure a watertight seal.
- ✓ **Install Six3Tile as specified in the installation instructions.** Our **Pro Kit installation instructions** are available on our website, or you can read them on our [blog](#). Follow those instructions to the letter for the best results.
- ✓ **Use trim on the vertical edges.** All traditional trims available are compliant with Six3Tile. Six3Tile panels are 1/4" thick. If applying over existing tile, be sure to take the existing tile's thickness into consideration when ordering your trim.
- ✓ **Apply grout once Six3Tile panels are installed. Use non-sanded (or un-sanded) grout only** and employ the same method you would when grouting traditional ceramic tile. Be sure to follow the grout manufacturer's instructions.
- ✓ **Caulk the base and any corners.** Use a silicone-based caulk for this. Sufficient caulking around the base of the shower or tub pan is essential to getting a good seal. Caulk is also recommended in the corners. Be sure to follow the caulk manufacturer's instructions.



WHY SIX3TILE® PANELS RESIST WATER

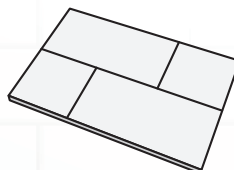
Six3Tile Shower Surround Pro Kit has multiple lines of defense to strengthen the seal that includes:



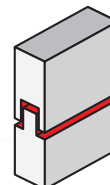
Grouting
1st line of defense



**Reduced number
of leak points**
(vs. ceramic tile)



PVC substrate is
inherently waterproof
and covers the large
majority of the wall



Tongue-and-groove
joints prevent water
penetration.



Structural substrate
Six3Tile is securely adhered
to the structural substrate,
guaranteeing a lasting
performance of your
shower surround.