

COMPOSEAL GRAY 20 MIL PE **SEAM TAPE**

STEP-BY-STEP INSTRUCTIONS FOR USING POLYETHYLENE (PE) SEAM TAPE IN WATERPROOFING APPLICATIONS

Polyethylene (PE) seam tape is a vital component in waterproofing showers, curbs, benches, niches, and floors such as kitchens above basements. Proper installation ensures a seamless and watertight system, preventing water intrusion and protecting underlying structures. These instructions are tailored for professional tile installers.



WHERE TO USE PE SEAM TAPE

1. SHOWERS:

- ◇ All vertical and horizontal seams where waterproofing membranes overlap.
- ◇ Inside and outside corners.
- ◇ Where the shower pan meets the walls.
- ◇ Around niches, benches, and curbs.

2. FLOORS (E.G., KITCHENS OVER BASEMENTS):

- ◇ At all seams between waterproofing membranes. Not needed if goal is crack isolation.
- ◇ Around perimeters and transitions, such as at walls or cabinetry.

MATERIALS AND TOOLS REQUIRED

- ◇ Polyethylene (PE) seam tape
- ◇ Compotite Elastiseal Pro
- ◇ Thin-set mortar (ANSI A118.4 or A118.15 compliant)
- ◇ Waterproofing sheet membrane or liquid membrane
- ◇ Notched trowel
(1/8" x 1/8" square-notch recommended)
- ◇ Flat trowel
- ◇ Measuring tape
- ◇ Scissors or utility knife
- ◇ Sponge and clean bucket of water

PREPARATION

1. INSPECT AND CLEAN THE SUBSTRATE

- ◇ Ensure all surfaces are flat, clean, dry, and free of grease, dust, or debris.

2. PLAN SEAM TAPE PLACEMENT

- ◇ Identify all seams, corners, and transitions requiring seam tape.
- ◇ Measure and pre-cut the tape to minimize installation time.

INSTALLATION PROCESS

1. PREPARE THE SURFACE WITH ELASTISEAL PRO

- ◇ Apply a layer of Elastiseal along the seam or corner where the seam tape will be installed.
- ◇ Spread the Elastiseal Pro for even coverage.

2. INSTALL PE SEAM TAPE ON SEAMS AND CORNERS

- ◇ Position the pre-cut seam tape over the seam, ensuring it overlaps the adjacent waterproofing layers by at least 2 inches (50mm) on each side.
- ◇ Press the tape into the Elastiseal Pro, starting at one end and working along the seam.
- ◇ Use a flat trowel or rubber roller to firmly embed the tape into the Elastiseal Pro, removing air pockets.

3. APPLY COMPOTITE ELASTISEAL PRO FOR ADDED WATERPROOFING

- ◇ Using a bead of Compotite Elastiseal Pro, seal the edges of the seam tape to ensure a watertight bond.
- ◇ Spread the Elastiseal Pro evenly with a trowel, ensuring full coverage over the edges and overlaps.

SPECIFIC APPLICATIONS

A. SHOWER WALLS AND PAN

- ◇ Apply seam tape where the waterproofing membrane on the shower walls meets the membrane on the shower pan.
- ◇ Install tape in corners (vertical and horizontal) and all overlapping membrane seams.
- ◇ Use Elastiseal Pro to reinforce the tape in high-stress areas like corners and the transition between the pan and walls.

B. BENCHES, NICHEs, AND CURBS

- ◇ Apply Elastiseal Pro to all edges and seams where waterproofing sheets meet around benches, niches, and curbs.
- ◇ Position the seam tape, ensuring complete coverage of the seams and extending at least 2 inches onto adjoining surfaces.
- ◇ Press and smooth the tape and seal with additional Elastiseal Pro for added durability.

C. KITCHEN FLOORS OR SIMILAR APPLICATIONS

- ◇ Lay the waterproofing membrane across the floor, overlapping seams by at least 2 inches.
- ◇ Apply thin-set mortar along the overlaps and press seam tape into place.
- ◇ Seal all edges with Elastiseal Pro, focusing on perimeters and transitions to walls or cabinetry.

FINAL STEPS

1. INSPECT FOR PROPER INSTALLATION

- ◇ Ensure the seam tape is smooth, fully adhered, and free of wrinkles or gaps.
- ◇ Check for complete coverage of all seams and corners.

2. ALLOW TO CURE

- ◇ Allow the Elastiseal Pro and thin-set mortar to cure according to the manufacturer's instructions before proceeding with additional waterproofing or tiling.

3. OPTIONAL FLOOD TEST (SHOWERS)

- ◇ Conduct a flood test to verify the waterproofing system's integrity, particularly in wet areas like showers.

PROFESSIONAL TIPS

- ◇ **Overlap and Coverage:**
Always ensure a minimum 2-inch overlap for seams to maintain waterproofing continuity.
- ◇ **Timing:**
Work in small sections to prevent thin-set from drying before tape installation.
- ◇ **Corners:**
Pre-fold the seam tape for easier placement in corners.
- ◇ **Maintenance:**
Periodically inspect for proper adhesion during installation to avoid future water intrusion.

By following these steps, professional tile installers can ensure a durable and watertight installation for any project, whether in a shower or on a floor above a basement.