



on PEDESTAL INSTALLATION: PX01, PX02, PX03

This installation method is used to place the PierdeX® Outdoor Flooring System® on elevated pedestals over a waterproofed bearing surface with either internal or external drainage and supporting either gauged stone/tile or pavers. ALL PierdeX® UNDERLAYMENT PANELS ARE REMOVEABLE in this installation method.

1. PLAN AND LAYOUT DECKING SHAPE

This installation method uses of the Ped-Tite® pedestal connector. The PierdeX® underlayment panels (32"x32"x1.25") (actual 31 5/8"x31 5/8") are installed as removable panels. There are no size or shape limitations when using this product. If this is a new application although, plan the surface layout based on the PierdeX® underlayment panel size, the finished stone/tile size and joint spacing to minimize cutting and waste. Recommended stone/tile spacing is 1/8". Minimum spacing is 1/16". Since the PierdeX® panels are removable, the stone/tile will need to be laid out to fit the 32"x32" PierdeX® panel edge.

>>>**NOTE FOR PAVERS:** When using pavers, no spacing is recommended. Panels can be removable without limiting paver layout.

2. DETERMINE EDGE AND TRIM DETAIL

Pedestal applications are usually designed with a curb or parapet wall used to retain the raised pedestal surface. No edge trim is usually required except for possible exposed scupper openings. (See EDGE DETAIL information.)

3. BUILD BEARING SURFACE

Construct a suitable bearing surface to support the PierdeX® system and load transfers at 32" O.C. with a 6" footprint. When using gauged stone/tile, the PierdeX® decking system weighs 8-10 lbs. per square foot. Complete the bearing surface with proper slope for drainage and waterproofing. The PierdeX® system will be placed over this completed surface. There is NO interconnection between the waterproofing and the PierdeX® system so waterproofing requirements are NOT defined or controlled by the PierdeX® system. (See the Affiliate Tab on the web site for products.)

>>>**NOTE FOR PAVERS:** ALL PAVER APPLICATIONS WILL REQUIRE LARGER FRAMING MEMBERS if the bearing surface is a waterproofed terrace.. *Consult with a licensed structural engineer for specific site considerations.*

4. PLACE PEDESTALS

Determine pedestal placement by preparing a layout grid on the waterproofing 32" O.C. (**actual layout is 31 3/4" O.C.**—includes a 1/8" spacing between panels); 4 pedestals per 32"x32" PierdeX® panel. Select the starting panel from which other panels will be aligned and leveled. Locate pedestal placement at each intersecting corner. If necessary, place an additional protective layer over the waterproofing at each pedestal location. This could be an additional layer of the same waterproofing material. Determine the height for this panel at each of the 4 pedestal locations. *Each pedestal will be a different height due to the slope of the bearing surface.* The pedestals are a three-part component; (2) Ped-Tite® connectors (included) and the 4" ABS pipe (by other). (See the Product Specs on the web site for full component details.) Determine the correct orientation of the Ped-Tite® for proper interlock with the PierdeX® underlayment panel. With the ABS pipe cut to length, press the pipe into the top and bottom Ped-Tite® to interlock the pipe to the Ped-Tite®. Use ABS glue or other to permanently bond the Ped-Tite® to the ABS pipe. The first PierdeX® underlayment panel can be set.

5. PLACE PierdeX® UNDERLAYMENT PANELS

The GratedeX® underlayment panel measures 32"x32" (actual 31 5/8"x31 5/8"). The panels must be placed with the correct side up. Product label on panel edge has an arrow, "THIS SIDE UP". Confirm by ensuring that the Ped-Tite® connector interconnects with the corners of the PierdeX® panels. Any creative shape can be constructed, but designing around the 32"x32" dimension will reduce waste. The PierdeX® underlayment panel can be cut with a segmented wet/dry diamond blade on a skill saw or a carbide-grit jigsaw blade. If rough edges remain, sand smooth with a sanding disc mounted to a grinder. Wear eye, nose and mouth protection during these operations. The panel can be cut in any shape without reducing structural integrity. Seal exposed cut pieces with a 2-part resin or spray sealer (see Affiliate Links on the web site).

Set the first panel onto the Ped-Tite® pad connections. Continue the process for setting all adjoining panels. Use the Ped-Tite® EPDM spacer if leaving a 1/8" space between panels for future removal.

7. PLACE GratedeX® SURFACE MATERIAL

Based on tile size and pattern, determine the best layout. Tiles can be laid in any pattern orientation. Tiles will be placed to the edge of the PierdeX® panel to the panels can be removed. Minimum recommended cut size is 4"x4" or 16 sq". The back of the tiles and the PierdeX® panel surface must be clean and dry. Remove any loose material or debris with a brush or damp rag. Apply the adhesive (see specific adhesive instructions below). Continue the setting process until the tiled surface is complete. Maintain uniform joint spacing throughout. Standard spacing between tiles is 1/8". Spacing should not be less than 1/16" or greater than 1/4". Wet cut pieces should be towel dried and then air-dried for 2-5 minutes before applying adhesive. All joints are left open to allow moisture to drain off of the finished surface. If sealing the surface, wait 7-10 days to ensure a full cure of the Hold-Tite® TA adhesive. No waiting required for the Hold-Tite® CS adhesive.

>>>>**STONE/TILE with Hold-Tite® TA Trowelable Adhesive:** Prepare to apply the Hold-Tite® adhesive using a 20 sausage gun. Apply adhesive in a continuous ribbon to the back of the stone/tile. Hold the adhesive back 1/8" from the finished edge of the tile. Once applied, set the dispenser aside. Using a 3/16" v-notched metal trowel, spread the adhesive to cover the entire back of the tile to form a continuous web of material. **The 2-20 oz. sausages provided for each PierdeX® panel will cover the 32"x32"/7sq' area.** The adhesive will skin over within 30 minutes. If this occurs it will result in a faulty bond. Replace with fresh material before setting. Place the tile onto the fiberglass panel in a single vertical motion, lowering the tile into its position. **DO NOT PLACE THE TILE AND THEN SLIDE IT HORIZONTALLY.** This method will remove all of the adhesive. Once placed in position, apply "light" hand pressure to ensure full contact with the PierdeX® underlayment panel. Too much pressure will displace the adhesive and weaken the bond. **IMPORTANT:** Some natural stones will have uneven back surfaces. Material should not be used that is out of spec or additional adhesive may be required and a faulty installation may occur. Tiles that do not sit flat or rock when dry set on a flat surface will have the same condition when fully set. Tiles with this condition should not be used. The adhesive is not intended to be a leveling material. If the tile is placed incorrectly, it can be removed with minimal difficulty for up to 1 hour. After this point, prying could cause the tile to crack or displace and break the bond of adjoining tiles. The finished surface can handle light traffic after 24 hours. The product is fully cured in 7-10 days. Warmer temperatures accelerate the curing process. Any Hold-Tite® TA adhesive that comes in contact with any finished surface can be cleaned with Mineral Spirits while wet or sometimes rubbed off when cured.

>>>>**STONE/TILE with Hold-Tite® CS Contact Sheet:** This material is pre-cut to fit a standard 16"x16" gauged stone or manufactured tile (actual size: 15 3/4" x 15 3/4"). If using small stone/tile, pre-cut the adhesive sheet with scissors or a utility knife before removing the backing. Peel the backing half way on one side of the adhesive sheet. Place the Hold-Tite® CS (15 1/2" x 15 1/2") onto the back of the stone/tile holding it back 1/8" from the edge. Maintain a square alignment with the stone/tile edge and roll out smoothly peeling the backing sheet while pressing with a roller or rage to ensure full contact with the stone/tile. Be sure there are no bubbles or ridges in the adhesive. Remove the backing from the second side of the Hold-Tite® CS adhesive sheet. Be sure of the exact position of the stone/tile to be placed. This material bonds on contact and cannot be removed and reused. Place the stone/tile and press firmly to ensure full contact. This material can be walked on immediately. No cure time is required.

>>>**PAVERS Dry-Laid**: *NOTE: Curb pavers do not have to be glued in position on a pad installation if there is another structural curb retaining the paver edge.* Begin by placing perimeter pavers to form a curb. Use the Hold-Tite® TA to bond pavers in place. **NOTE: THIS IS NOT INCLUDED WITH THE PACKAGE AND MUST BE PURCHASED SEPARATELY.** Apply adhesive to the bottom of the paver and trowel with a 3/16" v-notch trowel. Place onto the GratedeX® underlayment. Apply light pressure to ensure bond. Continue the same steps to complete the edge curb placing a small dab of adhesive to the adjoining but ends of the curb pavers. Follow all other instructions for using the Hold-Tite® TA adhesive above. Once the paver curb is complete, place all inside pavers. Place a 6 oz. construction fabric over the entire surface of the GratedeX® underlayment. This is an optional sound deadening technique. Continue to place all pavers. No sand fill is required.

TOOLS NEEDED

- A segmented wet/dry diamond blade and a skill saw if cutting the GratedeX® underlayment
- A 20 oz. sausage gun if using the Hold-Tite® TA adhesive; one if using the Hold-Tite® CS adhesive
- A 10.3 oz caulking gun if using the Weld-Tite® adhesive
- Atlas style tight fitting, tight grip rubber gloves and cleaning rags
- Tools to cut stone or tile