



ARTEMIS DUMPSTER ENCLOSURE

Installation Instructions

About this product:

PalmSHIELD Artemis is a revolutionary dumpster enclosure design from the industry's top screening manufacturer. This system was created in response to feedback from our customers and installers, who requested easier, more flexible installation. Answering their call, we set about designing a cost-effective system that is a game-changer in aesthetics, strength, and installation efficiency.

PalmSHIELD Artemis is available in a variety of factory and custom colors, and it has been engineered to withstand winds up to 150mph.

Installation Time

When installing, please follow your system's custom specifications and drawings so that the system meets engineering requirements for its prescribed strength. Estimated install time is two hours. After repeated installs, you should be able to complete in under an hour.



Required Tools & Equipment



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IMPORTANT NOTE

You can assemble your gate doors at any point during installation. For demonstration purposes, we are describing how to assemble the gates first.

Step 1: Gate Assembly



1. Start assembling the first gate leaf by laying two pieces of gate frame side by side. Lay out the frames so that the gate interior faces upward and the holes in the center line up.



2. Use clamps to pinch the frames together.



3. Loosely install bolts, washers, and nuts in all the holes along the joined frames. Keep them loose for now. You'll tighten them later.

Note: We recommend installing a bolt, washer, and nut at the center and working your way outward to one end and then to the other.



4. Move a clamps to the center of the joined frames.



5. Use a mallet to gently tap the frames until they're completely level.



6. Now tighten all the bolts.

Note: Once again, we recommend starting at the center and then working your way outward to one end and then to the other.



7. Flip the gate frame so that the flat side faces upward.



8. Find the infill piece with the rectangular notch on one edge. It's shaped to fit around the gate handle. Align that edge with the frame's handle side.

Note: After completing this step, you'll have an exposed piece of gate frame on the top and the bottom. This is correct and part of the procedure.

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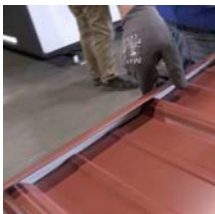
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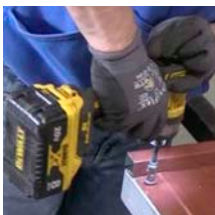
- 9.** Lay out a second piece of gate infill. Overlap its curved edge with the curved edge of the first piece. The opposite end will fit snugly against the female hinge barrels on the opposite end of the frame.



- 10.** Attach a piece of top trim by sliding the trim's straightened fringe beneath the infill. The trim should align with and cover the top edge of the gate frame.



- 11.** Repeat step 10 to attach the bottom trim.



- 12.** Use a drill to install a self-tapping screw at each corner of your gate. Drill close to the edge so that the screw goes through the infill, through the trim fringe beneath it, and into the frame. (This secures all three pieces together.)



- 13.** Your gate infill features channels that run vertically. Install a self-tapping screw along the top and bottom edges of each channel. Once again, drill through the infill and the trim and into the frame.



- 14.** Install a row of screws across the horizontal center of your gate leaf. Drill through the infill and into the frame underneath.

Note: These screws must be installed in a perfectly straight line, so we recommend using a string line or some similar object to ensure perfect alignment.



- 15.** Repeat steps 1-14 to assemble the second gate leaf.

Note: After assembly, one of the doors will feature an exposed lower corner with two predrilled holes in the frame. This is where the drop rod will be installed.

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Step 2: Installing Drop Rod



1. Place the drop rod latch on the exposed lower corner of the gate frame.



2. Slide screws through the two holes. Attach washers and nuts, and use a socket and wrench to tighten.



3. Slide the rod into place, with the straight end facing downward. This is the end that will slide into a drilled hole in the ground when your system is complete.



Your order also includes gate latches & handles that have been pre-welded for you convenience.

Step 3: Installing Enclosure

PART 1: INSTALLING THE POSTS

SAFETY NOTICE: Installing PalmSHIELD Artemis requires a minimum of two installers.

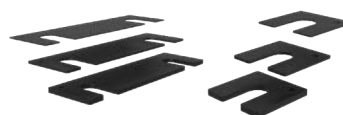
Note #1: You'll need anchor bolts to secure your posts to the ground. Anchor bolts are not specified or provided by PalmSHIELD.

Note #2: PalmSHIELD manufactures shims to help level posts during installation. Recommended when installing on uneven terrain. Shims are sold separately.

Note #3: Before you begin, look over the custom fabrication drawings that shipped with your order. Follow all measurements and instructions in the drawings precisely. Failure to follow can result in a system with inadequate strength.



Anchor Bolts
(Not provided, must be sourced separately)



PalmSHIELD shims
(optional, sold separately)

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1. Place one of the corner posts at its point of installation.



2. Consult your specifications and use a tape measure to determine the placement of the remaining posts along one side of your system. Set the remaining posts on that particular side in place.



3. Use a string line to align the posts. Correct the posts' positions as needed.



4. Each post has four holes in the corners of its base plate. Use a marker to mark the holes. This is where the anchor bolts will be installed later.



5. Lift the post to show the markings.

Warning: Always move the post out of the way before drilling. Drilling through the post holes can chip your powder-coated finish and damage your product.



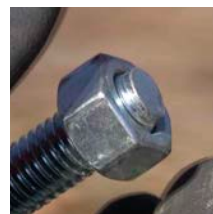
6. With the post out of the way, use a hammer drill to drill the holes for your anchor bolts.



7. Use compressed air to clear debris from holes.



8. Return to the post to its point of installation. Line up the holes in the post with the holes in the pavement.



9. Move the nuts of four anchor bolts to the top of their respective threads.

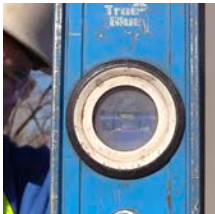
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- 10.** Use a mallet to pound the anchor bolts through the post holes and into the holes in the pavement. Install with the thread and nut facing upward.

Note: Note: DO NOT tighten the bolts just yet.



- 11.** Verify that the post is level. If the post isn't level, you can adjust using PalmSHIELD's custom-made shims (sold separately).



To do so:

- a.** Place a shim next to the edge of a post that needs correcting. Match the elongated gaps in the shim with the anchor bolts, and slide the shim beneath your post.



- b.** Re-check the level of the post.

- c.** Add as many shims as needed until the post is level.



- 12.** Once your post is level, tighten all four anchor bolts.



- 13.** Repeat steps 1-12 until all posts on all sides of your system are installed and level.

Step 4: Installing Rails

PART 2:

Note: Please note that the rails' installation height will vary from rail to rail per side. Before installing a rail, consult your project specifications to determine the correct height.

The rails of **PalmSHIELD Artemis** can be installed in one of two ways.

Method #1



- 1.** Consult your project specifications to determine the height of a particular rail.

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- 2.** Use a tape measure and a marker to measure and mark said height on each post along one side of your system.



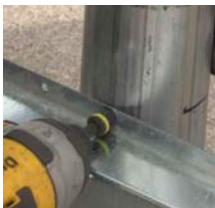
- 3.** Both installers will now hold the rail against the end of the system. Line up the rail's top edge with the marks on the posts.



- 4.** Use a drill and self-tapping screws to drill the rail's top edge into each post.



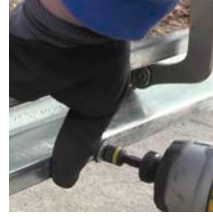
- 5.** Overlap the installed rail with a second rail. Line up the end of the second rail with the opposite end of the system.



- 6.** Once again, verify the height and repeat step 4 to attach.



- 7.** Use a clamp to pinch the installed rails together.



- 8.** Use self-tapping screws to connect the rails on their tops and bottom edges.



- 9.** Repeat steps 1-8 for the remaining rails on all sides of your system.

Method #2



- 1.** Lay two rails on the ground and overlap them.



- 2.** Check your project specifications to determine the correct length of the joined rails. Use a tape measure to get the rails to the correct length.

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3. Install self-tapping screws where the rails overlap on the top and the bottom edges.



4. Use a tape measure and a marker to mark the rails' point of installation on each post along one side of your system.



5. Both installers will now hold the rail in place. Line up the top edge of the rail with the marks on the posts.



6. Use a drill and self-tapping screws to attach the rail. Drill through the top edge of the rail and into the post.



7. Repeat steps 1-6 for the remaining rails on all sides of your system.

Step 5: Installing Infill

PART 3:



1. Consult your project drawings to determine the distance between the grade and the bottom edge of your infill.



2. Hold a piece of infill against one end of your system. Use a tape measure and lift the infill until the bottom edge reaches the prescribed distance from the grade.



3. Drill self-tapping screws through the right and left ends of the infill and into all three rails.



4. Set a second piece of infill in place and overlap its edge approximately two inches with the edge of the previous piece.

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5. Repeat step 3.



6. Repeat steps 1-5 to install infill on the remaining sides of your system.

You may end up with a small gap at the end of one or more sides. If so:



1. Measure the length of the gap.



2. Measure said length on a piece of infill. Add two inches for overlap, and use a marker and a straight edge to mark the cut line.



3. Cut the infill.



4. Hold the cut infill against the gap in your system. Use a tape measure and lift the infill until the bottom edge reaches the prescribed distance from the grade. Overlap with the edge of the previous piece of infill.



5. Drill self-tapping screws through the right and left ends of the infill and into all three rails.

Step 6: Installing Trim

PART 4:

To install the top trim:



1. Place a piece of top trim along the top of one side of your system. Align one end with the nearest corner of the system.

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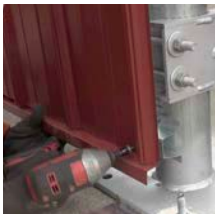


2. Line up a second piece with the opposite corner and overlap with the previous trim.

To install the bottom trim:



1. Slide the straightened fringe of the bottom trim upward and behind the infill.

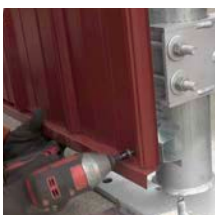


2. Drill self-tapping screws through the infill and into the trim's fringe.

To install the corner trim:



1. Hold the corner trim against the corner of your system.



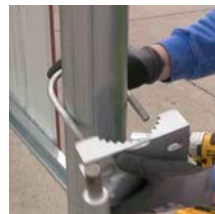
2. Drill into place using tap-tapping screws.

Step 7: Installing The Gates

PART 5:



1. Consult your project specifications and measure and mark the height for either the top or bottom hinge on one gate post.



2. Line up the top edge of a hinge with the mark on the post. Place the hinge so that the male hinge barrel faces upward.



3. Slide a U-bolt around the post and through the top holes in your hinge.



4. Attach the washers and nuts to hold the hinge in place. Do not tighten just yet.

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- 5.** Use a tape measure to double-check the hinge's placement before sliding the bottom U-bolt into place and loosely attaching washers and nuts.



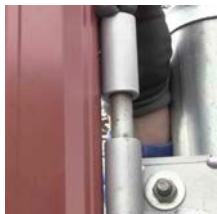
- 6.** Tighten the nuts on all four bolts to secure the hinge in place.



- 7.** Repeat steps 1-6 for the remaining hinges on both gate posts.



- 8.** Both installers will lift the first gate door and slide the female hinge barrels onto the male counterparts.



- 9.** Repeat step 8 to install the second gate door.



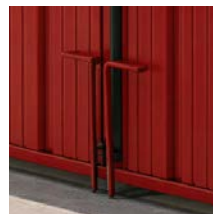
- 10.** Move both gate doors to the closed position.



- 11.** Lower the drop rod to the pavement and use a marker to mark its circumference.



- 12.** Lift the rod and use that mark and a hammer drill to drill a hole in the pavement.



- 13.** Lower the drop rod into the hole and verify that it holds its place and keeps the door shut.

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Post-Installation

1. Perform final inspection to ensure all components are secure
2. Take photographs of completed installation
3. Upon completion, send installation photos to your project manager at **PalmSHIELD** to activate warranty