

Installation Requirements

Safety Measures:

Prior to installation call the National Diggers Hotline, 811, to ensure the areas to be dug are free of obstructions. Use barricades, cones, or other means to limit foot traffic during the installation. Be certain that safety guidelines are followed according to the government or other regulatory standards.

General Precautions:

To limit mess and ensure a good seal it is recommended that you install Sun Egress wells in fair weather conditions ideal for digging and applying sealant. Read the label on your tar and silicone for specific weather requirements.

Materials Required:

Hammer Drill with 3/8" Masonry Bit
3/8" x 4" Red Head Concrete Wedge Anchors
Torque Wrench with 9/16" Socket
1 Gallon of Tar
Paint Brush or Roller
Work Gloves

1 Tube of Silicone Window Sealant
Safety Glasses
Shovel
4' Level
8' Extension ladder

***When installing multiple egress windows we recommend the use of a backhoe and a telehandler to save time and labor.*



Retrofitting Procedure

Additional Materials Required for Retrofit:

Concrete Diamond Chainsaw (*Length Based on Wall Depth*)
Marking Device (Spray Paint, Chalk, or Marker)
Sledge Hammer
Respirator with a Red NIOSH Cartridge
Hose with Access to Water Supply

Safety Measures:

Ensure you follow all safety measures when using a concrete diamond chainsaw or other tools. Only operate the saw in a well ventilated area with the appropriate protection from particles and debris.

Creating the Window Opening

Begin by digging a hole wide enough and long enough to fit the egress window with two people on either side. It also needs to extend about one to two feet below the estimated baseline of the window.

Using a marking device, outline the area that you would like to place your window. Use your hammer drill to drill out each corner with a bit long enough to extend through the concrete.

Verify your window alignment/placement from the inside using the holes you've just drilled.

Once satisfied use your concrete chainsaw to make your window opening. Ensure you have adequate water pressure and are wearing the correct protective equipment. We recommend cutting the opening into at least four small blocks to make it more manageable.

From the inside, use your sledge hammer to pound the blocks into the recessed area you dug below the window.

Fill gaps around the blocks with dirt and proceed to the egress installation.



Installation Procedure

Prior to Installation:

Prior to installation of your Sun Egress window well, recheck the delivered system is the appropriate size for your window opening.

Prepare the area for the Sun Egress window well by clearing dirt and debris off of the wall at least 8 inches around the window.

Fill the base of the hole with enough gravel to allow the egress well to sit flush with the window opening.



Placement

It is recommended that you use a telehandler or similar equipment to move your window well. Ensure that the window well is properly secured and not at risk of falling.

Center your egress well with the window to the desired height. Ensure the Sun Egress well is level by placing a four foot or greater level on top.



Installation

Use a hammer drill to create your top most drill points on the left and right sides keeping the egress level. It is recommended you use 3/8" x 4" red head concrete anchors. Hand tighten the anchors into these initial holes.

Finish drilling and installing the rest of the anchors on the left and right sides of the well. Apply torque to all of the anchors with the wrench until they are tight and the preinstalled 1/2" x 1 3/4" foam casket is compressed equally around the egress window well.



Seal

Apply a layer of tar around the outer edge of the left and right sides of the egress window well covering the anchors.

Apply a bead of caulking around the inside edge of the well where it meets the foundation.



Finish

Fill in the base of the egress well with an additional 2-3" of gravel to prevent settling.

Fill the rest of the sides with firmly packed dirt. If the egress window sits above ground install the Sun Egress Skirt before completely filling in the dirt.

