



Infinity Wall System

LiteCyc

I n s t a l l a t i o n G u i d e

INSTALLATION GUIDE FOR THE INFINITY WALL SYSTEM LITECYC.

PLEASE TAKE THE TIME TO READ AND UNDERSTAND ALL STEPS OF THE INSTALLATION BEFORE YOU PROCEED. If you have any questions please call us. 901-262-9383

The Infinity Wall System LiteCyc is a light weight, low cost hard background designed to be installed with common hand tools, in a minimum amount of time, and at a minimum expense. **The Litecyc sections are designed to be installed up to 16 feet in total width. It is not designed or engineered for widths larger than 16 feet and will VOID your warranty.** Installation will require two to three people at some points in the process. It is not recommended to stand or place heavy weights directly on the curved sections.

LiteCyc is intended for use in studios with concrete or wooden floors and framed walls (wood or steel). Installation in studios constructed of other materials will be similar, however the type of fastener or adhesives used may have to be altered to suit the individual need. If you are constructing new walls for your LiteCyc, hardpoints can be installed on the studs behind the drywall. You must install the Litecyc as per our installation instructions or you will void your warranty.

INSTALLATION METHOD FOR NEW WALLS

If you are building a new wall for your LiteCyc, you can install hardpoints between the vertical studs this will eliminate the use of wall anchors. Frame out the wall, then measure up 30" from the floor and snap a chalk line on the wall studs. Using 2x4 lumber install blocks between each stud with the 4" width of the 2x4 facing forward. The 2x4 blocks should split the 30" chalk line. Now cover the wall with drywall. When you are installing the Litecyc, you will have hardpoints behind the drywall at the 30" line. Follow the rest of the installation instructions.

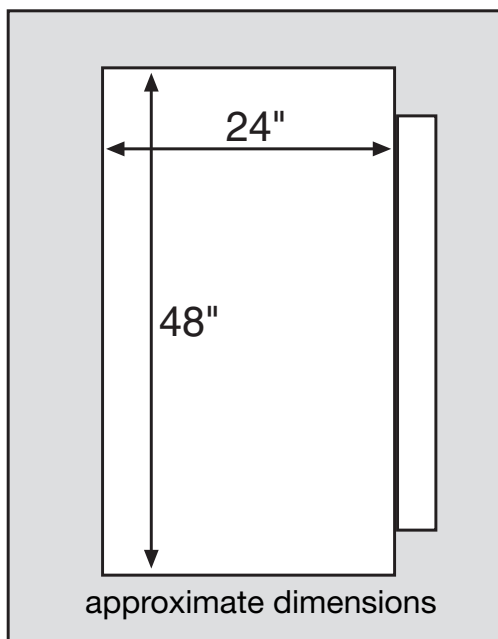
GLUING INFORMATION: Construction type adhesive (liquid nails) gives you time to check alignment, and proper position of the parts before it starts to set up and dry. When gluing the cyc parts to the wall and floor make sure the parts are pressed down so the edge lays flush with the surface of the wall or floor. Follow the manufactures instructions for working with the adhesive. Do not tighten the screws down real tight during the gluing process. This will cause the Litecyc edges to warp. The screws are used to hold the sections to the wall and floor, with an even overall pressure till the glue sets, about 12 to 24 hours based on the room temp. (See manufactures info)

Gluing the Litecyc section together with PVC cement. PCV cement is a fast drying, permanent bonding adhesive. Make sure the parts are in the correct position and alignment with each other when gluing one section to the mating flange of the next. Although the PVC cement is a fast setting glue it needs at least 2-3 hours to fully cure before you try to install the parts.

TOOLS & MATERIALS REQUIRED

TOOLS

Drill
 Saw
 Caulk gun
 Chalk line
 Utility knife
 Tape measure
 #2 Phillips driver bit
 3/16" Tapcon concrete bit
 Countersink bit
 10" Drywall knife
 100 grit sand paper



MATERIALS

Tape 2" wide non filament packing tape

Adhesive (Liquid nail, PL 4000) 2 tubes needed for 8' cyc. 3 tubes for the 12'. 4 tubes for the 16'.
Multi purpose type PVC cement.

Drywall screws 1" screws , one for each anchor installed into the wall, or the same number of screws of the type required for the anchors you are using.

Wall anchors 9 per wall section

Tapcon screws 3/16" X 1 1/4" 9 per wall section

Primer We recommend XIM UMA PRIMER OR ZINSSER BULLS EYE 1.2.3 PRIMER
(1-800-521-8894 f for XIM UMA primer / 1-908-469-8100 for Zinsser Bulls Eye)

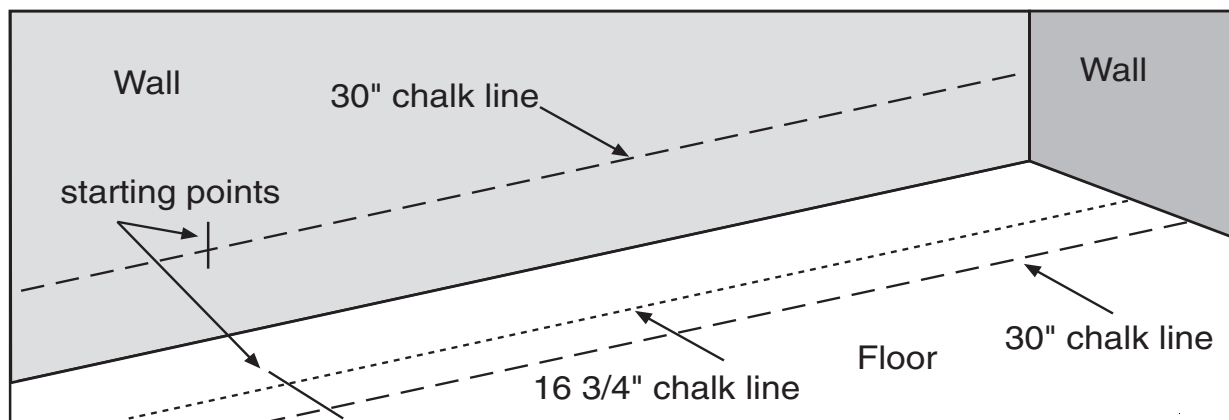
Drywall compound (DO NOT USE QUICK SET DRYWALL COMPOUND)

Lumber 1"x4" boards for floor plates and slanted touch plates. Each Litecyc section will require two slanted touch plates 20 3/4" long. The floor plate will require 1"x4" boards that will be the same length as the finished width of the Litecyc you are installing. 12' for a 12' wide Litecyc, etc.

STEP ONE

Installation lines and installing wooden touch plates

The first thing you need to do is to determine where your LITECYC is going to be installed and mark a starting point on the wall and floor. Now locate and mark all the wall studs where you are installing the Litecyc. Next snap a chalk line along the wall 30" above the floor the length you intend to install your LITECYC sections. Next snap a chalk line on the floor 30" out from the wall and then snap a second line 16 3/4" out from the wall.

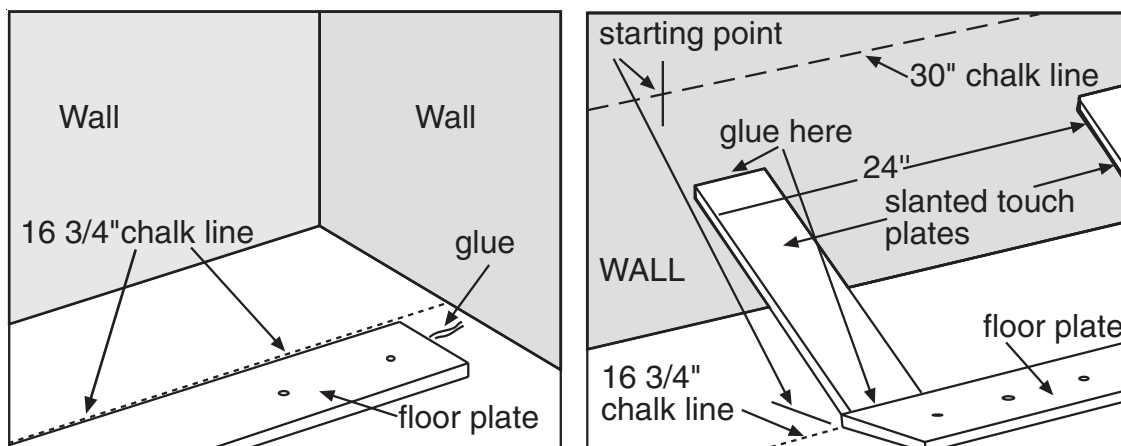


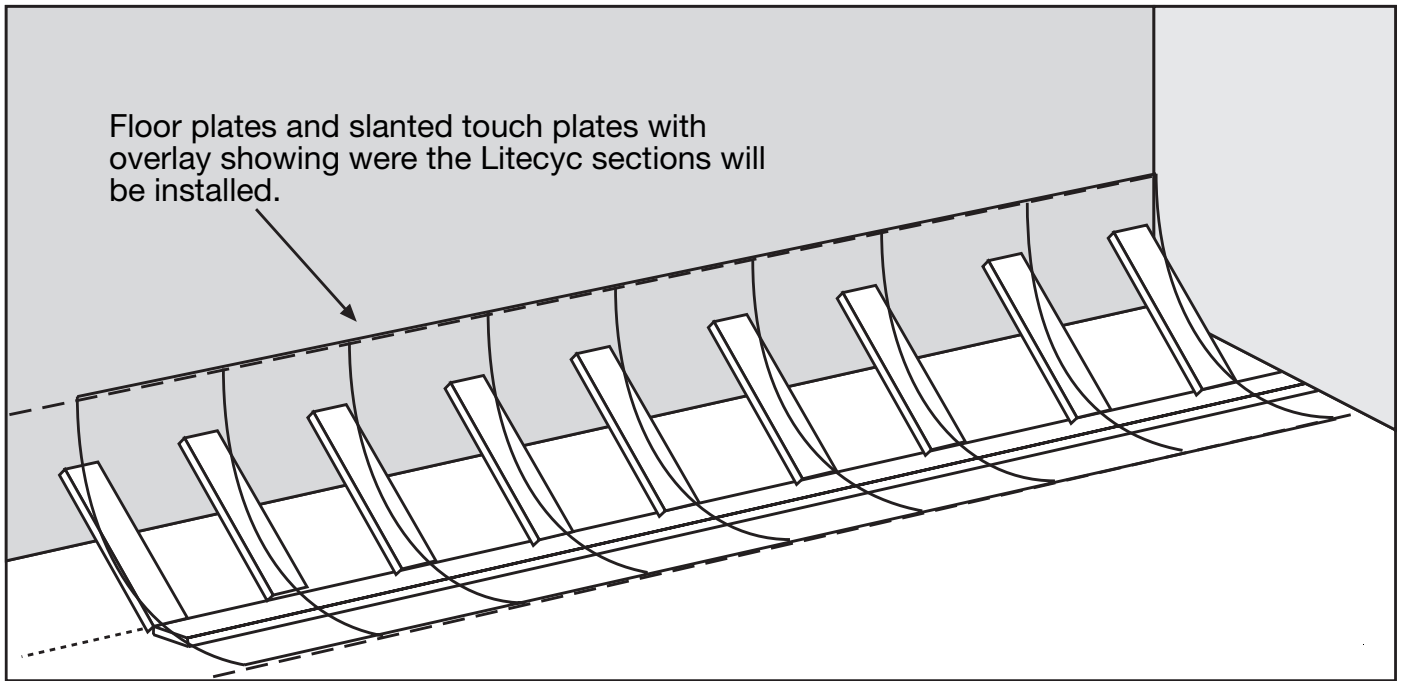
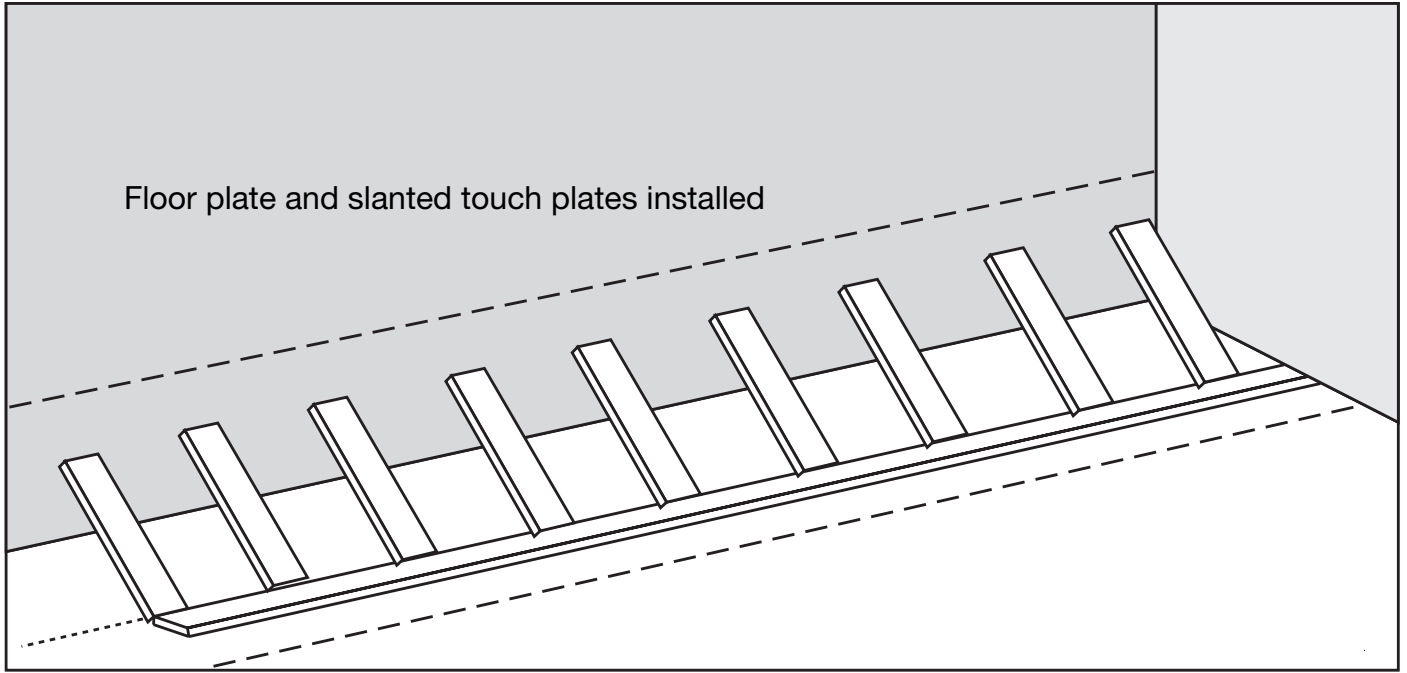
Making the floor plates and slanted touch plates

To make the floor plates, use 1"x4" lumber the length of your Litecyc. For the slanted touch plates you will need to cut two pieces 20 3/4" long for each Litecyc section you are installing.

Installing the floor plates and slanted touch plates

At the 16 3/4" chalk line on the floor, put a bead of glue 2" outside the line from the starting point to where the Litecyc will end. (Drawing A) Next install the floor plate on the 16 3/4" chalk line covering the glue and attach it to the floor with Tapcon screws. (Drawing B) Now place the first slanted touch plate at the starting point mark and glue it to the wall, floor and the side of the floor plate. Measure over 24" and install another slanted touch plate. Next measure over 26" and install another. Repeat the process using the 26" distance with all the remaining touch plates.





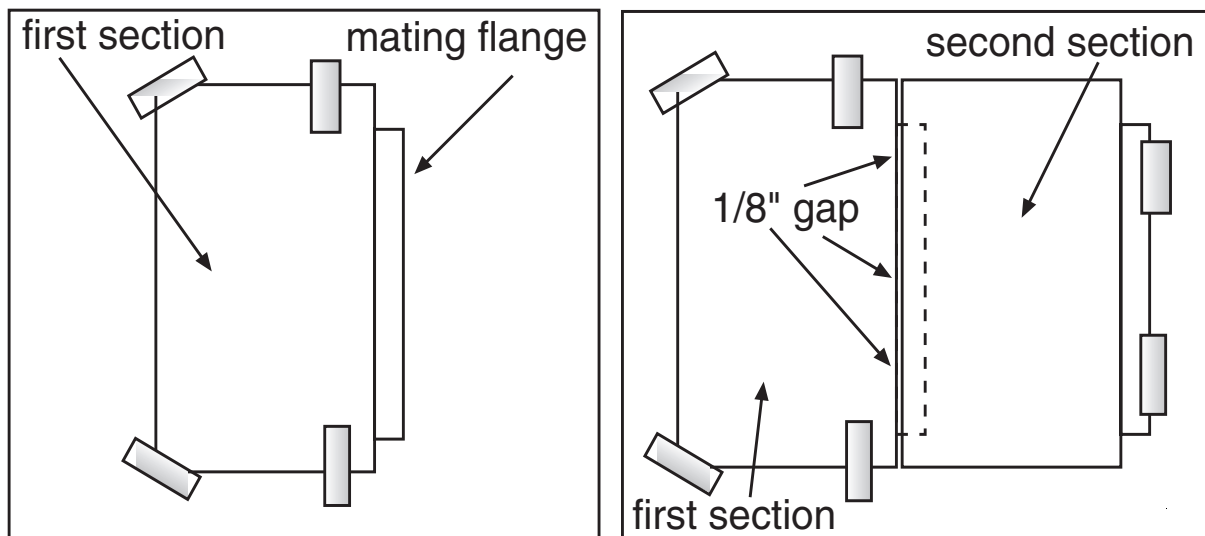
STEP TWO

Take each section and lightly sand the front surface and mating flange. Also sand a two inch wide band around the top, bottom and side edges. You do not need to sand the back side of the mating flange. Sanding the surface gives the glue and the primer a better surface to stick to. Check that the mating flange has not been loosened in shipping, if it has reglue it using PVC cement. If at any time while you are using the PVC cement, it should get on the front surface of the Litecyc panel, do not wipe it off. Let it dry first and lightly sand it off.

The next step is to take a countersink bit and countersink holes every 3" all along both the top and bottom edges of each part. These holes should be 3/8" in from the edge. Make sure the countersink bit only makes a little hole thru the part. This will allow you to make a pencil mark on the wall for installation of the wall anchors in Step three.

Gluing the LITECYC sections together.

Now clear a section of your studio floor that is big enough layout the litecyc sections. Tape a Litecyc section to the floor. Place tape where shown in drawing A. Next bring the end of another section next to the first one leaving a 1/8" gap between the two sections and tape it into place as shown in drawing B. Check that the top and bottom edges of both sections are lined up and parallel. The tape on the second section will act like a hinge so you can lift and lower the part onto the mating flange of the first section. Using PVC cement glue the second part to the mating flange of the first section and tape in place. (Follow the gluing instruction for PVC cement) After glue has set (allow about 5 mins.) remove the tape from the mating flange of the second section and tape the section into place like the first section. Place a new section on the mating flange of the second section, hinge tape the mating flange and glue this section into place. Repeat this process till all the remaining sections are glued together. Allow the PVC cement to cure, for about 2-3 hrs. before you start to install the Litecyc. Please make sure that you check and maintain edge alignment and the 1/8" gap on all sections. The last thing to do at this stage is to use a heavy duty matt knife and a straight edge to trim off the mating flange of the last section.



STEP THREE

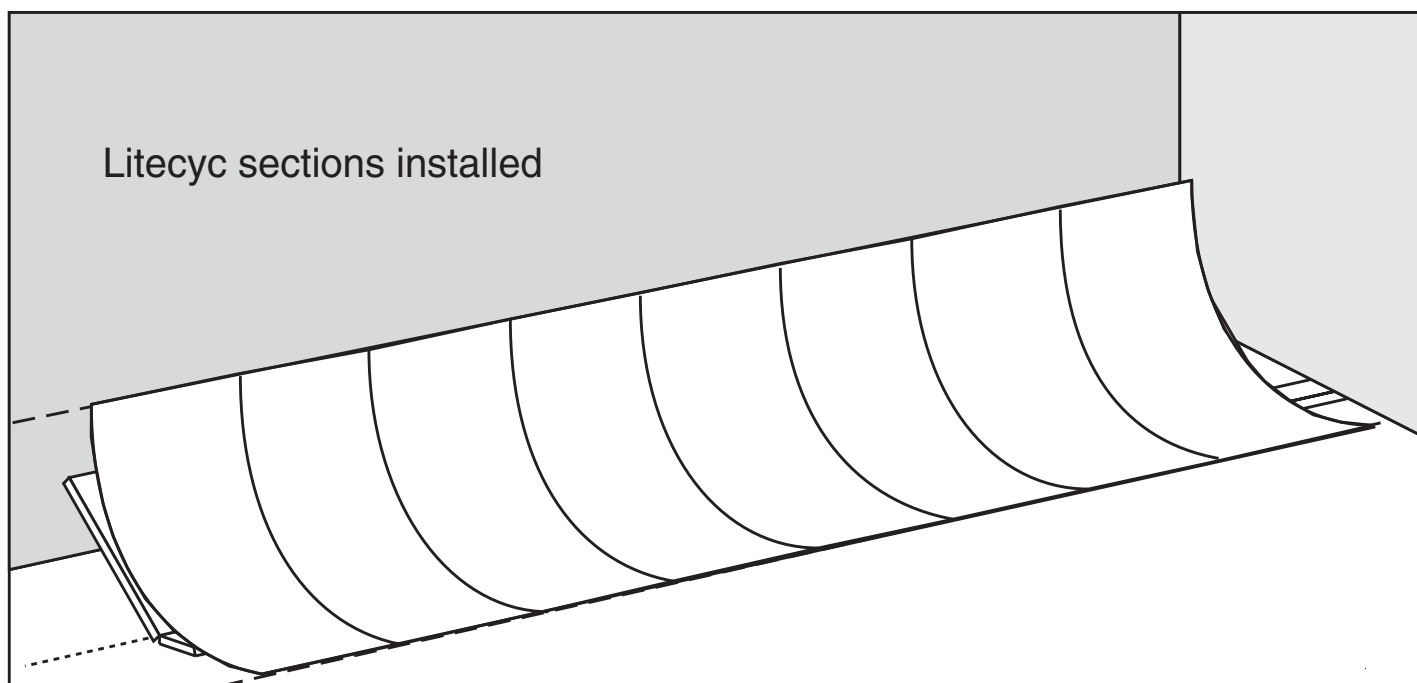
Installing the Litecyc (You will need extra help at this point)

Take the assembled Litecyc and bring the top edge up to the 30" chalk line on the wall. While two people hold it in place, make a mark thru each countersunk hole all along the top edge onto the wall. These are the location marks for each of the wall anchors you will need to install in the wall. Remove the Litecyc and install the wall anchors.

Next run a bead of glue 3/8" below the 30" chalk line on the wall. This bead should run the full length of where the Litecyc is being installed. Also run a bead of glue across the middle of each slanted touch plate and also put a bead of glue 3/8" in from the 30" chalk line on the floor. During the next step watch that you do not step in the bead of glue on the floor!

Place the top edge of the Litecyc back on the 30" chalk line on the wall, line up the countersunk holes with their correct wall anchors and install the screws. (Follow the gluing instructions!) Next pull the bottom edge up to the 30" chalk line on the floor, while two people hold it in place, drill a hole into the concrete floor and install a tapcon screw at both ends and in several points in the middle. This will hold it in place as you finish installing the rest of the Litecyc to the floor. (use drywall screws for wooden floors) Wipe up any excess glue that is pressed out from under the Litecyc sections, as this will get in your way when you are filling and blending the seams and joints. Let the glue dry. Once the glue is dry you can then tighten the screws down more if they need it.

You are now ready to start the filling and blending process.



Finishing Seams and joints.

DO NOT TAPE the seams and joints!!

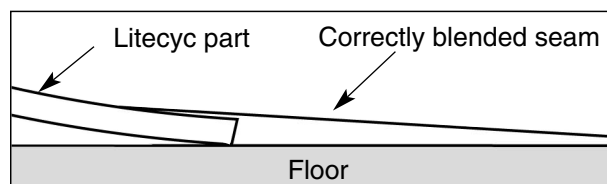
It is important to note that filling the seams is slightly different than normal drywall seams. The goal is to form a tapering ramp of drywall mud from the surface of the part out onto the floor and up onto the wall. The final finished seam you want is both flat and smooth. To make sure all seams and joints are both flat and smooth sand them on a 45 degrees angle one way and then the other. Sanding parallel with the seam will not produce a flat seam or joint. The finished seams on the wall and floor will extend out from the top and bottom edges of the Litecyc sections about 6" to 8". The 1/8" gap joints should be smooth and flat with the surface of the Litecyc sections.

Start by placing small amount of drywall mud on the floor or wall next to the edge of the part. With a 10" drywall knife spread the mud along the seam and then strike off the excess. Also fill the 1/8" joint between the sections with drywall mud, but don't leave any mud on the surface of the sections next to the gap. The first application of drywall mud will leave some low areas and voids. Let the mud dry thoroughly. Once dry check all seams or joints for high spots and sand them down.

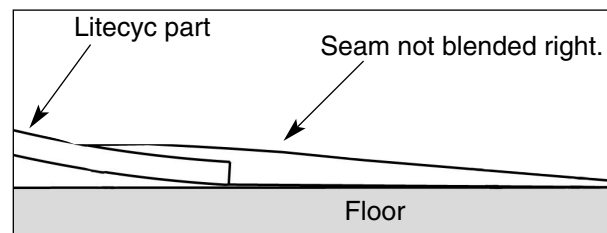
Apply a second coat of mud the same way. Let dry and check for high spots and sand.

Continue to skim coat the seams and joints, with drywall mud until all the low areas and voids on the seams and joints are filled flush with the surface of the Litecyc sections. Let dry, and sand.

The finish seams should look like this. →



Finished seams **should not** look like this. →
This seam has too much drywall mud up on the part, and is not sanded flat.



You are now ready to prime and paint your cyc. **You must !!!** prime the Litecyc sections, and the area of the wall and floor that will be part of the finish Litecyc. (follow the instructions for the primer) When you are ready paint, use a good high quality, exterior grade, flat latex paint.

If you have questions concerning your particular application, please call us.
1-901-262-9383 Thank you for the order.

Your cyc parts are warranted to be free from defects in material and workmanship for a period of one year from the date of purchase. Should any defect be found Infinity will furnish you with a replacement part at no cost. This warranty will be invalid if the system has not been installed according to the instructions provided, or if it has been damaged due to abuse. There are no other warranties expressed or implied.