# **INSTALLATION GUIDE**

LIB-AGG-RL-03-01 Rev. 1



# **Modular Lining System**









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## riangle WARNING riangle

Always obey all applicable safety rules.

Be sure all power to the conveyor has been disconnected and controls are locked out.

Burning elastomers give off toxic fumes. Take extra time to minimize heat exposure. Have a fire extinguisher and a bucket of water with rags available at all times. If flames or smolders do occur, extinguish immediately. Use of forced air ventilation or an in-line respirator is strongly recommended.

#### Required tools and materials

- Tape measure

- Straight edge -  $\frac{5}{8}$ " (16 mm) or  $\frac{7}{8}$ " (22.5 mm) drill bit

- Scribe, grease pencil or marker

- Wrench set

- ½" or ¾" lock washers and nuts (one for each panel - not supplied)

#### Optional tools and materials

- Level - Bostik 1100 sealant

- Loctite

Lockwashers and nuts for mounting are not supplied

#### **Torque Chart**

Redi-Liner Stud	Do Not Exceed
½" diameter	60 ft. lbs of torque
¾" diameter	150 ft. lbs of torque

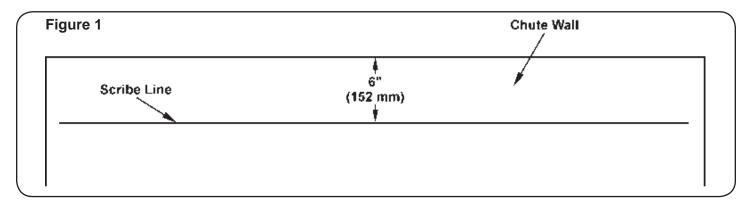
#### **Please Note:**

1" thick Redi-Liner panels should only be used in sliding applications.



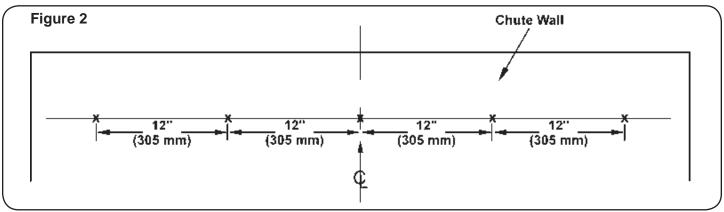
#### Step 1 - Getting Started

From the top of the chute measure down 6" (152 mm) and mark on each end of the chute. Then scribe a line connecting your marks across the entire width of the chute (figure 1).



#### Step 2

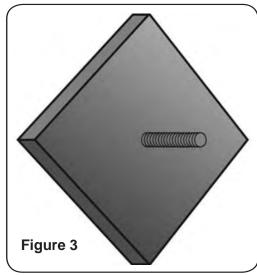
Measure the width of the chute to find the center and mark its location on the scribed line you just made. This will be your first bolt hole location. Working to the sides, mark the remainder of the hole locations every 12" (305mm) (figure 2).



#### Step 3

Now drill holes for the Redi-Liner stud at each of your marked locations. Drill a  $\frac{5}{8}$ " (16 mm) hole for the  $\frac{1}{2}$ " stud or a  $\frac{7}{8}$ " (22.5 mm) hole for the  $\frac{3}{4}$ " stud.

Apply a small amount of Loctite (optional) to the supplied "all-thread" and thread by hand into the embedded nut located in the center of the back side of the Redi-Liner panel (figure 3).





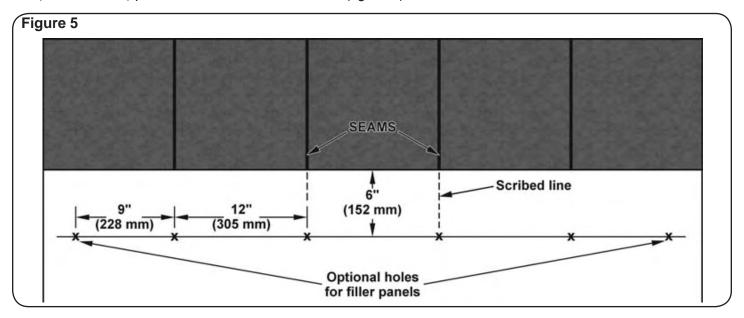
#### Step 4

Insert the stud on the back of the Redi-Liner into the center hole of the chute. Apply a bead of Bostik to each side of the Redi-Liner panel (optional) and repeat until all of the panels are in place. Use a lock washer and nut (not supplied) to secure the panels to the chute (figure 4). Remember to apply a small amount of Loctite to the nut (optional). Please refer to the torque chart on page 2 for proper tightening specs.



#### Step 5

Using the bottom of the first course of panels as a guide, measure down 6" (152 mm) and mark on each end of the chute. Then scribe a horizontal line connecting your marks across the entire width of the chute. Using a square, scribe a straight line down from the left or right seam of the center panel from the first course until it intersects with the horizontal line. Then working to the sides, mark the remainder of the hole locations every 12" (305 mm). If you will be using 6" x 12" (152 x 305 mm) filler panels, measure 9" (228 mm) out from last 12" x 12" (305 x 305 mm) panel hole and mark its location (figure 5).

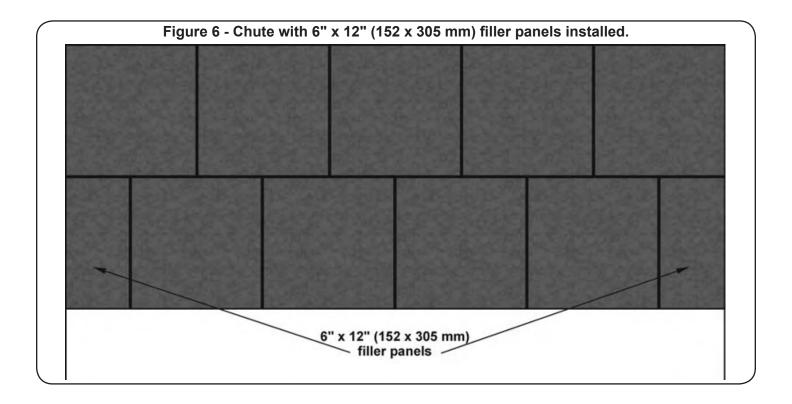




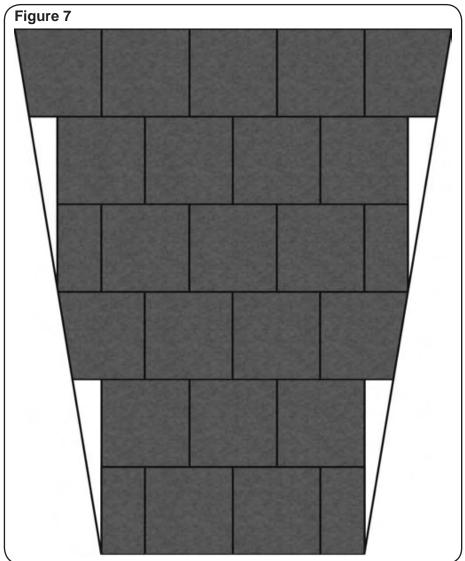
#### Step 6

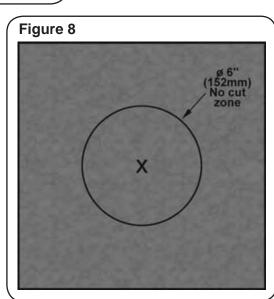
Add a bead of Bostik to the bottom of the above course of panels and then repeat steps 3 through 6 until the chute is completely lined (figure 7).

You can cut the plain Redi-Liner panels to fit a tapered chute. Please keep in mind that there is a no-cut zone on the panel that is 6" (152 mm) in diameter around the stud (figure 8).













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