

Summary	Shimming the Turbo Seal Insulated door.				
Products Affected	Turbo Seal Insulated Door				
Key Word Tags	TSI, Panel, Shims				
Tools/Equipment (If Required)	Utility Knife or Shears				
Parts/Materials (If Required)	Rilon Shim R1170274-0				
Related Media					
Author	Randy Meyer, RevA M. Burzlaff	Issue Date	4/7/2011	Status	Active

Please Read The Entire Bulletin Before Proceeding

Rytec Corporation introduced the Turbo Seal insulated door in 2010. This door provides a high speed roll door with a specialized insulated foam panel to meet the needs of our cold storage customers. The foam material has slight variations in thickness throughout the panel, from top to bottom. Also, as the door rolls up on the drum the foam has different densities therefore, creating variations in the diameter of the material as the foam curtain rolls up around the drum. Occasionally, the material will roll off to one direction too far and bind on the side column or in the head.

This condition can be corrected by adding shim material to the door. The shim material can be any material placed between the drum and the foam panel. Rytec has provided a piece of Rilon material with the door to use as shim material.

The shim material is placed on the side the fabric is rolling off. For example, if the foam material is running off the drum to the left, the shim material will be added between the curtain and the drum on the left side. In essence you're making the drum a larger diameter on the left causing the material to roll up faster on the left and forcing the material to the right.

Typically, not much material is needed; most doors a piece of material 3 inches wide by 12 inches long could be sufficient. The most important step is the testing. When the shim has been installed, open the door and watch the travel. If the door continues to roll off in the same direction there's not enough shim. If the door travels in the opposite direction but too far, there's too much shim material.

The shim process is not an exact science; testing will need to be done to determine if the shimming is correct.

Also, some doors may require shimming on both sides; perhaps a large piece on one side and a smaller piece on the other.

The bottom bar on the door may travel left and right during travel which is ok. However, too far in one particular direction and the binding may occur.

STEPS FOR SHIMMING:

- 1) Clear the limits using parameter P:210 set to 5.
- 2) Jog the door beyond the fully closed position, the bottom bar will rest on the floor and perhaps even create a space between the panel and the drum up in the head. This space will provide you room to place the shim material in place.



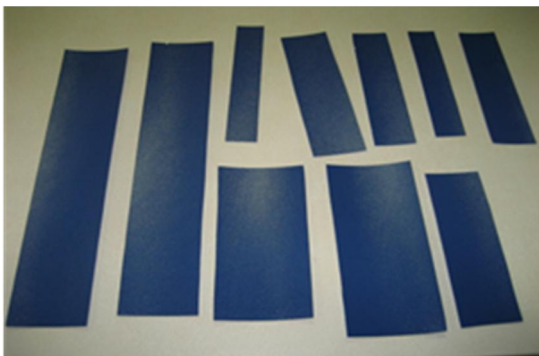
CAUTION: LOCK OUT AND TAG OUT THE POWER BEFORE PLACING YOUR ARM OR SHIM MATERIAL BETWEEN THE MATERIAL AND DRUM.

- 3) After the material is placed, reapply power and jog the door to the half open position; then return to the close position and set the close limit. Then open the door and set the open limit position. Operate the door to determine if the amount of shim is correct. Reminder: The display will read I:515 calibration run for the first 2-12 cycles after setting the limits. This is normal and the door may stop in different positions. Continue operating the door until the message I:515 leaves the display.
- 4) If the door requires more or less shim material you must repeat the previous steps.

The pictures below illustrate where the shim material should be placed.

The shim material you received is 20"x20" square Rilon material. This material will need to be cut into varying sizes. Cut a variety of different widths and lengths. Testing the door travel after placing the shim material is important to determine if the correct shim is in place.

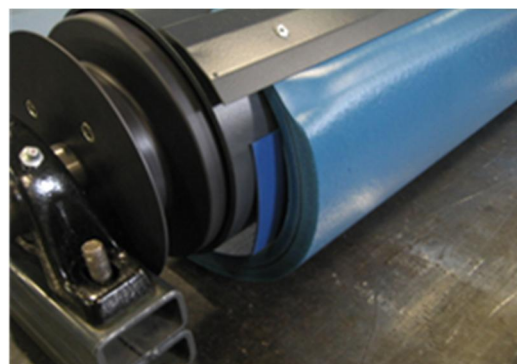
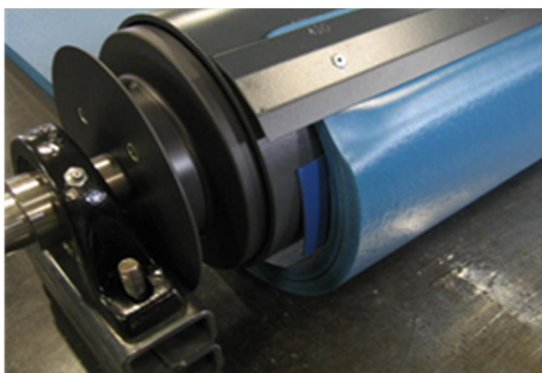
Rilon Material cut to different sizes



Shim Location (may be on opposite side)



Shim Location (may be on opposite side)



Please contact Rytec Customer Support at 1-800-628-1909 with any questions.