
Installation Tips

Spring Bolt-Rail:

End Grain Using Tightbond II-

Always make sure that the spring is screwed tightly to the bottom of the hole. After you have screwed the springs into the bottom of the holes and you are ready to make a permanent joint we recommend moistening the end grain of both joint faces with water. Then apply a layer of glue to the entire face of both surfaces. With your finger force that glue into the end grain. The glue will soon pass below the face of the joints. Apply another layer of glue to both surfaces, insert the steel pin into one of the springs and then twist together. Twist 4 turns after the two surfaces have made contact with each other. Align your profiles quickly. The water plus the two glue layers will give you an extra secant or two to align the profiles. This also makes the joint stronger because the water helps draw the glue deeper into the end grain of the wood. Remove excess glue with a clean wet cloth.

End Grain Using Epoxy In Lieu Of Tightbond II-

We recommend Fasco 110 when a slow cure is possible or Fasco 88 which sets in 6 minutes. After installing the springs in the holes, mix the epoxy and fill both holes a little over half full. Apply a thin layer of epoxy to both faces. Force the epoxy into the end grain with a putty knife or the edge of a shim shingle. Twist the two pieces together. Turn 4 times past initial contact. Align the profiles. Sand excess epoxy after epoxy has cured.

Spring Bolt-Post:

Note; Do not use any glue other than the recommended epoxy or an epoxy that is equal to the Fasco 110.

Always make sure that the spring is screwed tightly to the bottom of the hole. When the springs are attached to the bottom of the post hole and the deck hole insert the steel pin and twist the post to the deck to check that your holes are the correct depth and your post is plumb. Then untwist the post and mix 4 oz. by volume of the Fasco 110 epoxy and fill both holes approximately half full. Insert the 7/8" steel pin in the deck hole. Twist the post onto the steel pin in the deck. Turn the post 6 to 8 times after the post has come in contact with the deck. The post can move laterally approximately 1/4" in all directions for alignment. Epoxy should not ooze from under the post. If epoxy does ooze from under the post let the epoxy cure and then scrape and sand the epoxy. Use a little less epoxy on the next post to prevent the epoxy from oozing out. Bracing of the post is not needed. If you want to guard against the post moving laterally you can tack cleats around the base of the post until the epoxy sets.