

## **Lane Shield**

### **Introduction**

Brunswick LaneShield is a specially designed and formulated, high impact, polymer plastic. Teflon has been blended into the polymer to give LaneShield a durable, long lasting, and consistent, bowling surface.

*Note: For optimum performance of your LaneShield product, it is important to maintain steady temperature and humidity levels within your bowling center after LaneShield has been installed. The recommended humidity is 45%  $\pm$ 5%. The recommended temperature is 75°F  $\pm$ 5°F. Failure to maintain these recommended temperature and humidity levels will cause LaneShield to expand and contract, which may cause "waving" of the LaneShield.*

### **Conditioners and Cleaners**

Use only bowling industry approved products for LaneShield. Other oils, lubricants, and cleaning supplies may damage LaneShield and void your warranty.

Always follow the directions supplied by the manufacturer of all conditioners and cleaners. If there is any question as to whether or not a new lane maintenance product can be used, contact your Brunswick Product Specialist.

### **Cleaning Materials to be Avoided**

Solvents or solvent based cleaners, (such as pinsetter cleaners, toluene, xylene, etc.), should never be used on LaneShield. Solvent based materials will cause damage to LaneShield, such as blistering.

### **Other Conditions to Avoid**

Do not roll any carts with heavy loads, such as those used for pinsetter installation, down lanes with LaneShield in place. Damage to LaneShield could result.

Bleachers for tournaments or other similar, temporary structures should not be built or placed on LaneShield. Damage to LaneShield could result.

Use proper mats and carpets to avoid abrasive particles from being tracked onto approach or lane.

### **Bowling Ball Maintenance Program**

A good maintenance program to keep house balls repaired, (all holes should have beveled edges and sharp edges/ cracks should be filled with ball plug) will reduce potential abrasion and/or damage to LaneShield.

### **Maintenance Procedure**

1. If your lane machine causes any movement of the LaneShield, pushing trapped air ahead of the lane machine, it will be necessary to use a towel bar, wrapped in a clean, terry cloth towel, and push the LaneShield flat, starting at the foul line and pushing to the end of the pin deck.

**NOTE:** It is imperative that the lane machine in the Bowling Center be in good working order before using it on LaneShield. All maintenance must be up to date on the machine and recorded. Any issues with LaneShield caused by improperly maintained equipment will Not be covered by warranty. If you need assistance with your Brunswick Lane Machine maintenance, please call 1-800-323-8141.

2. After applying LaneShield it is not uncommon to see small ripples. These ripples are the result of the packaging of LaneShield in a roll. It generally takes a few days for LaneShield to “relax” to a completely flat surface. It will be necessary to use a towel bar, wrapped in a clean, terry cloth towel, and push the LaneShield flat, starting at the foul line and pushing to the end of the pin deck for the first few days until the LaneShield is completely “relaxed”.
3. Shifting of LaneShield from side to side may occur. The shifting may be between 1/16” up to 3/16”. The shifting may be caused by loose lanes or lane expansion during changes in the humidity level in the center. It is recommended that a block of wood with a 1/8” groove on the edge be used to “tap” the LaneShield back into place. Simply insert the area of LaneShield that has shifted into the groove in the block of wood. Tap with a hammer until the LaneShield has shifted to its proper position. After this is completed, It will be necessary to use a towel bar, wrapped in a clean, terry cloth towel, and push the LaneShield flat, starting at the foul line and pushing to the end of the pin deck.
4. Apply double sided tape to the pin deck in two places, one between the 7 and 8 pin spots and one between the 9 and 10 pin spots. Tape should be assembled and applied per the following procedure to allow LaneShield expansion movement lengthwise on the lane (without rippling) and to prevent side to side movement of the LaneShield.
  - a. Leaving the backer paper on, cut two pieces of double sided tape approximately 8" (20 cm) long.
  - b. Overlapping the tape approximately 2" (5 cm), bond the adhesive sides of the tape together and crease the tape at the midpoint of where the tape overlaps. Refer to Figure 1.

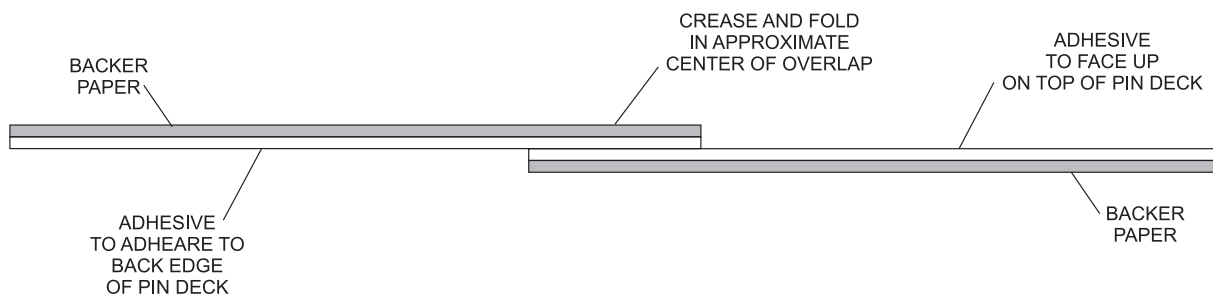


Figure 1

- c. Thoroughly clean the top and back edge of the pin deck prior to applying the two pieces of tape. Apply the tape to the pin deck, crease on the edge, so the backing of the tape is in contact with the top of the pin deck, overlapping approximately 1" (2.5 cm) over the back edge, with the adhesive side facing up. Refer to Figure 2.

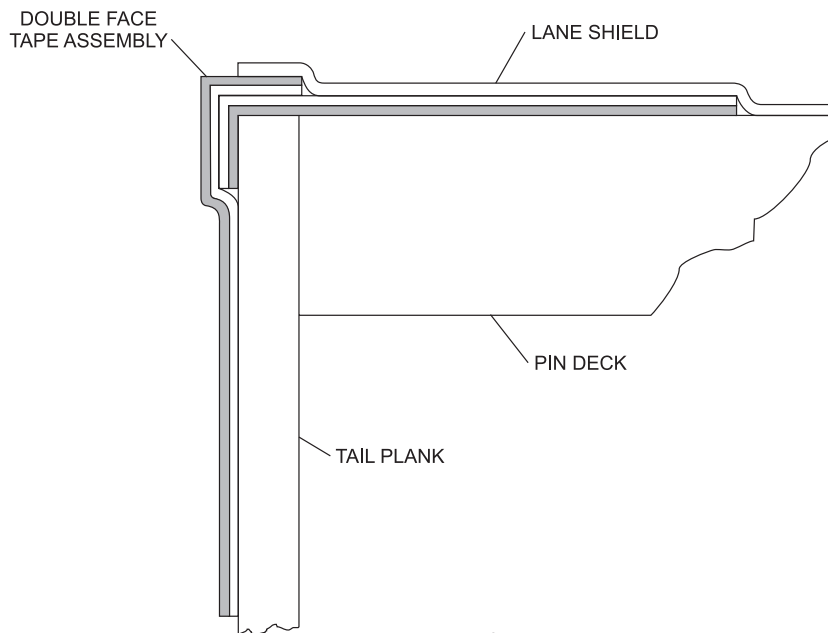


Figure 2

- d. Make sure the double sided tape is securely attached to the back edge of the pin deck and that there is a good bond between the tape and the LaneShield.
5. If moisture has wicked underneath the LaneShield, it may be removed by wrapping a clean towel around a 12 inch ruler, and carefully inserting it between the lane and the LaneShield, wiping the area dry. After this is completed, It will be necessary to use a towel bar, wrapped in a clean, terry cloth towel, and push the LaneShield flat, starting at the foul line and pushing to the end of the pin deck.

**NOTE:** After removing any moisture from between the lane and the LaneShield, carefully inspect the position of the LaneShield, relative to the lane in that area. If a shelf is apparent, (edge of lane not covered by LaneShield), use a block plane and carefully bevel the edge of the lane. Refer to Figure 3.

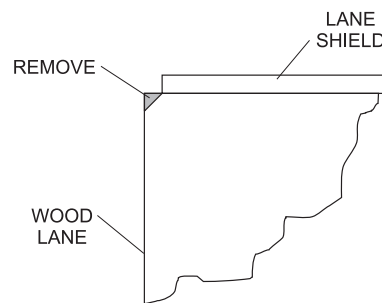
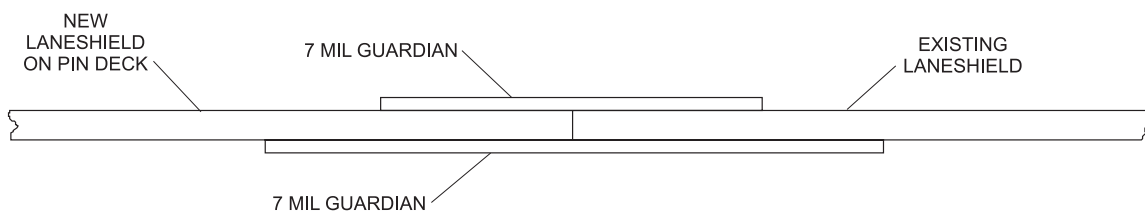


Figure 3

6. If oil is not applied to the first 6 to 12 inches after the foul line, ball scuff marks may appear. It is recommended that you clean the un-oiled surface near the foul line, using a clean, nonabrasive pad to remove the ball marks. Over time, this may cause LaneShield to look dull. To bring back glossy appearance, use a clean cloth with a small amount of conditioner and wipe over the dull area.

7. Any loose boards or damage to the wooden lane under LaneShield can be repaired by rolling LaneShield from the pin deck end (in a diameter of less than 12”) to uncover the damaged area. After the damaged lane is repaired, unroll LaneShield back onto the lane. Use a towel bar wrapped in a clean, terry cloth towel, and push the LaneShield flat, starting at the foul line and pushing to the end of the pin deck. Contact a bowling lane resurfer for any questions on proper repair of the wooden lane.
8. If the LaneShield in the pin deck area becomes worn, it may be replaced. The following is the recommended procedure for replacing LaneShield in the pin deck area.
  - a. Using a straight edge and trim tool, score the LaneShield at the front edge of the pin deck and remove.
  - b. Cut two pieces of Guardian (7 mil, clear). One piece should be 42 inches (1.07 m) long by 4 to 6 inches (102 mm to 152 mm) wide, and the other piece should be 42 inches (1.07 m) long by 2 to 3 inches (51 mm to 76 mm) wide.
  - c. Cut a piece of LaneShield that will overlap the pin deck. Make sure that one edge has been cut straight for splicing (at a 90 degree angle to the outside edges).
  - d. Remove the backing paper from the wider of the two, recently cut, Guardian pieces. Apply, adhesive side up, to the back of the existing LaneShield, so that half of the width is still exposed.
  - e. Butt the newly cut piece of LaneShield to the existing LaneShield and join together, making sure that the joint is as tight as possible. Then press the LaneShield firmly against the adhesive.
  - f. Remove the backing paper from the remaining, narrower piece of Guardian, and apply, adhesive side down, centered on the joint, over the entire width of the lane.
  - g. Trim as required. Refer to Figure 4.

*NOTE: Make sure that any unsupported areas of the LaneShield, are trimmed away.*



*Figure 4*

**WARRANTY NOTE:** *Damage to LaneShield such as scratches from abrasion, creases from sharp edges/ cracks in balls, or dents caused by lanes with voids, soft wood, or otherwise unsound support; due to improper maintenance or preparation/installation is not covered under warranty.*