

## SPORTS IMPORTS FLOORPLATE/SLEEVE INSTALLATION INSTRUCTIONS FOR BADMINTON (KA45) **TYPICAL SYNTHETIC FLOOR**

1. Locate floorplates between 24 and 26 feet apart (center to center), and a minimum of 2 feet from the sideline. (If preferred, locate floorplates 20 feet apart, center-to-center, directly on the court sideline).
2. Using the floorplate as a guide, trace an outline of the plate on the floor.
3. Using the outline as a guide, accurately cut away the synthetic material.
4. Chisel or remove enough concrete to allow the floorplate to fit flush with the floor. (Make sure there is space for the 3 dummy bolts in the outer holes).
5. Drill a hole in the concrete subfloor approximately 4" in diameter. (Use a 4" core bit or drill a series of 3/4" - 1" holes and knock out the voids). If the concrete is greater than 7" deep from the top of the floor, stop at the 7" depth; otherwise, break on through to the fill underneath.
6. Scrape or hollow out a hole (by hand) under the concrete, the radius of your hand to elbow and a minimum of 7" deep, measured from the top of the synthetic surface.
7. Tape the opening in the sleeve to insure the grout does not overflow into the sleeve.
8. Attach the floorplate to the sleeve using the three long screws and the tube spacers furnished in the fastener package. These packages may be found in the sleeves. Connecting the sleeve to the floorplate insures that the sleeve is properly centered in relation to the floorplate. It also insures proper depth.  
**NOTE - VERY IMPORTANT:** The three flanges on the sleeve may become slightly bent in shipment. These must be straightened prior to attaching the floorplate to the sleeve. Failure to do so will cause the sleeve to be installed in a non-perpendicular position, thus causing a lean to the badminton post.
9. Use a non metallic, "non-shrink" concrete grout with a final cure strength over 6,500 pounds. (Typical manufacturers: Embeco, Hydrocide, Super Rock, and Masterbuilders Masterflow #713).
10. Partially fill the hole with grout, leaving enough space to push the sleeve into place such that the floorplate seats flush. Work the sleeve up and down to insure that the hole under the slab is completely full.
11. After the grout initially sets, gently remove the bolts and lift the floorplate off.
12. Fill any void spaces with grout; then replace the long bolts and spacers.
13. Keep all activities off of the immediate area surrounding the floorplate for 48 hours. Allow 10 days curing before using the equipment.

*NOTE: If you have any questions, contact Sports Imports, Inc. at 800-556-3198.*