



Typical Pipe Penetration Procedure

Please note BTL, Inc. recommends only smooth wall pipes to be used to penetrate the liner – corrugated pipes are not recommended.

Installation of Pipe Boot with Tape:

1. After installation of pond liner, carefully cut hole to allow pipe to slide through liner. Allow liner to fit flat on ground.
2. Slide boot over pipe and push down to pond floor/wall, etc...
3. Carefully cut boot flange base so that it exceeds the cut in the liner by 4 to 6 inches in all directions.
4. Clean liner and flange. Use water, MEK, Xylene, etc... Do NOT use soap.
5. Mark a line around flange and mark where boot sleeve ends on pipe and remove boot.
6. Place a single layer of 4" single-sided tape around pipe so that outside edge is flush with the mark on the pipe. This will act as a "gasket" between the boot and the pipe when the clamp is applied.
7. Place 2" wide double-sided tape on liner (bottom view drawing). Be sure to overlap at corners by $\frac{1}{4}$ ". Leave film layer on the top of the tape. Use a rag to firmly press down the tape and work out any wrinkles.
8. Replace boot remove protective covering and press down on the tape and work out the wrinkles.
9. Place the 4" single-sided tape completely over the edge of the boot, centering on the seam.
10. Place band clamp on boot riser approximately 1" from top of boot. Tighten and cover with 4" single-sided tape.
11. For a step by step video, please see our link at:
https://www.youtube.com/watch?v=5U_kSJ7mDtk

