

Materials Recommended:

- Perma-Boot
- Sealant (Must be compatible with Polypropylene)
- Hook blade or utility knife
- Pencil or chalk for marking
- Caulking gun

Steps:

- **Prepare the Area:** Identify the leaking pipe boot on your roof. Ensure the pipe is at the correct height (not too short or tall — 6" to 15"). Dry fit Base, Pivot, 3" Cap, and 1-1/2" or 2" adapter if needed.
- **Mark and Cut:** Use Base as template to mark around the existing pipe boot where it meets the shingles. Carefully trim the shingles so the Perma-Boot Base lays cleanly on the existing pipe boot base. A hook blade is recommended for this task. Clean area of shingle granules or other debris.
- **Install Base:** Snap Pivot to Base. Apply a bead of sealant in a "U" shape on the existing base where you marked and trimmed the shingles for the Perma Boot base. Avoid sealing the front of the boot to allow water drainage. Place Base assembly over pipe and set into the sealant bead. This step is recommended but not required.
- **Attach Cap:** For straight sizes, apply bead of sealant to Cap, as well as Pivot top and install. For 3N1®, select appropriate adapter (1-1/2" or 2"); apply a bead of sealant to the bottom and secure into pipe.
- **Final Touches:** If any nail heads are exposed, apply a small dab of sealant over them.

Notes:

**Sealant application is recommended but not required.*

Cutting or trimming the shingle so the base fits flush is recommended but not required.

