Mobile Home Duct Sealing Prop

A properly fastened and sealed boot to duct connection: This prop represents a type of duct configuration commonly seen in mobile homes.

**HOW IT WORKS**

To build the prop, mount an 8' section of 6"x12" rectangular duct underneath a 4'x8' framed platform covered with 1/2" plywood or OSB. Mark and cut 6 evenly spaced holes to match the sizes of a standard floor registers (approx. 4"x8"). Mark and cut corresponding rectangular holes in the top of the duct.

Students gain hands-on experience when they:

- Fabricate and insert duct boots into the openings and crimp the tabs.
- Reinforce with fiberglass mesh tape and seal with duct mastic.

**USE TO:**

- Introduce duct and sealing materials
- Demonstrate and provide students practice with proper duct sealing techniques for mobile home duct systems

**MATERIALS:**

1. Plywood platform framed with 2"x4" framing lumber
2. Rectangular duct and boot insert
3. Sealed boot to floor transition
4. Mastic duct sealant
5. Fiberglass Mesh
6. Latex gloves
7. Duct Boot (various lengths)

For additional information visit [www.weatherization.energy.gov](http://www.weatherization.energy.gov) or call 1-877-337-3463