



WEATHERIZATION ASSISTANCE PROGRAM STANDARDIZED CURRICULA

Mobile Home Duct Sealing Prop

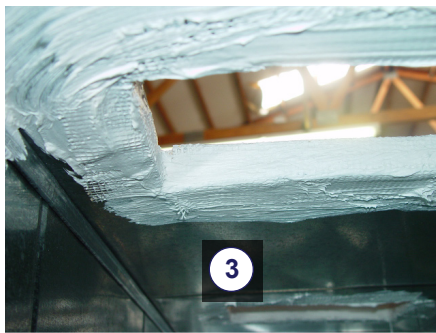
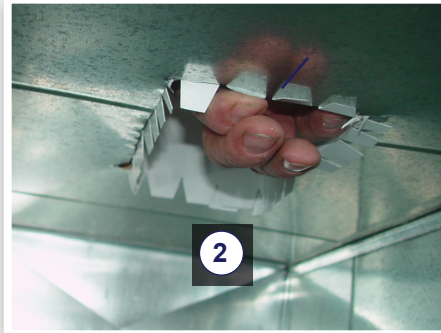
USE TO:

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)



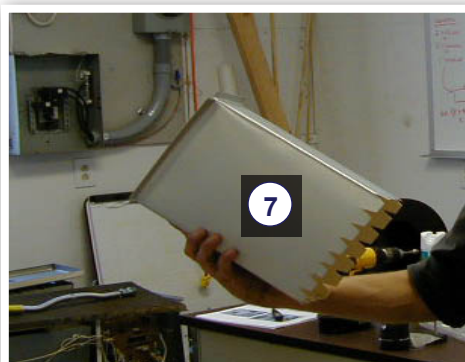
A properly fastened and sealed boot to duct connection: This prop represents a type of duct configuration commonly seen in mobile homes.

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 out 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.



For additional information visit www.weatherization.energy.gov or call 1-877-337-3463