



# 2009 NATIONAL WEATHERIZATION TRAINING CONFERENCE

**JULY 20-23, 2009** | **INDIANAPOLIS, INDIANA**



## Make Your Own Drill Shroud

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## Drill Shroud



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## Tools Needed





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## Materials Needed





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### Tools

- Cordless drill & bits
- Utility Knife
- Hack Saw
- Snips
- Files
- Sharpie
- Sand Paper

### Materials

- 3" thin wall PVC pipe
- 4" hose clamps
- Master Plumber Plunger
- Epoxy
- 90° PVC Elbow or straight hose barb.



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### Cutting pieces to size



- Cut 3" PVC to 4 1/2 "
- Notch one end 3/4" as show
- Cut Hose barb in half



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## Form end of Hose Barb

- File the end of the connector so it fits the arc of the 3" pipe.



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## Mark the hole to be cut

- 2" in and on the bottom
- Mark with a sharpie the hole to be cut.
- And cut the hole



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### Glue hose barb to Body

- Using Epoxy glue the hose barb to the body of the shroud
- File and sand a clean edge.



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### Cut the plunger to size



- Cut the plunger to the length you need
- Best is one shroud per plunger, but you can make two.
- Cut some holes in the rings to create a more air flow.



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## Fit Plunger to shroud body

- Make a few cuts on the bowl end
- Attach with duct tape.





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### Attach the shroud to Drill

- Attach the shroud to a HEPA Vac. Only
- Transport the drill and shroud in it's own tool box
- Clean the shroud before you leave the work area.



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### Make the second shroud

- If you wish, you may have enough plunger left to make another shroud.
- Repeat all steps and fit the second plunger end as best you can.



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### Questions

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