

**HEPA Drilling Two Inch Holes**

**Required Equipment:**

- Two 6 mil (minimum thickness) clear polyethylene bags. Bags must be free of any punctures and rated in good condition
- Minimum of two rolls of duct tape
- Plastic sheeting (6 mil polyethylene)
- Minimum of two (2) HEPA filtered vacuums, equipped with miscellaneous nozzle attachments
- Workers in the area must wear non-powered half-faced respirators equipped HEPA filtered cartridges and disposable coveralls
- Drill equipped with dust collection shroud fitted to a HEPA filtered vacuum
- Diamond Cutter Drill with two (2) inch bit
- Labeled asbestos waste bags (6mil)
- Mist spray bottle filled with amended water
- Warning signage and tape - used to identify the work area
- Encapsulating sealer

**Work Site Preparation:**

- Shutdown the HVAC system affecting the work area. Cover all HVAC vents and diffusers. These openings can be covered by poly or duct tape
- Prior to work, pre-clean any surfaces within the area by method of wet wiping and HEPA vacuuming
- Clear work area of any equipment and furnishings that may become contaminated as a result of the drilling
- Isolate the work area from adjoining spaces through the placement of a taped barrier or by closing doors at the perimeter
- Be sure to have all tools required for the work (and any additional tools) within the immediate area to ensure the work is performed in a safe and effective manner
- Post warning signage outside of the work area indicating that “Asbestos Related Work” is in progress

**Work Procedures:**

1. Place polyethylene sheeting on walls and floor surrounding area being drilled
2. Delineate the precise area of wall to be drilled (mark it), be sure to estimate area on other side of wall

**STANDARDIZED WORK PROCEDURES**

**HEPA DRILLING - TYPE 2 PRECAUTIONS**

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3. Tape a 6-mil poly bag around area to be drilled, be sure to extend area within bag by minimum of twelve (12) inches from drill point (all four sides). Prior to taping bag on wall, be sure wall is wet wiped to ensure the surface is clear of dust for a proper seal of bag
4. Cut a hole on the underside of bag to allow for the HEPA vacuum hose, tape around hole to ensure proper seal. This will place the bag under negative pressure. (Repeat this procedure for wall on other side)
5. Cut hole in the back end of the bag to allow for the extended drill bit. Be sure to tape off hole around bit to maintain a proper seal. (Repeat this procedure for wall on other side)
6. Once drilling has been completed, use HEPA vacuum nozzle to suck up any residual material within bag
7. Remove bag from wall and place into an “Asbestos Waste” labeled bag for disposal
8. Wet wipe and HEPA vacuum surface of wall to ensure area is clean
9. After bags have been removed from wall, apply encapsulant to freshly drilled hole. This will lock down any loose material
10. Place all poly sheeting in 2 individually sealed and labeled asbestos waste bags (6mil) for disposal