

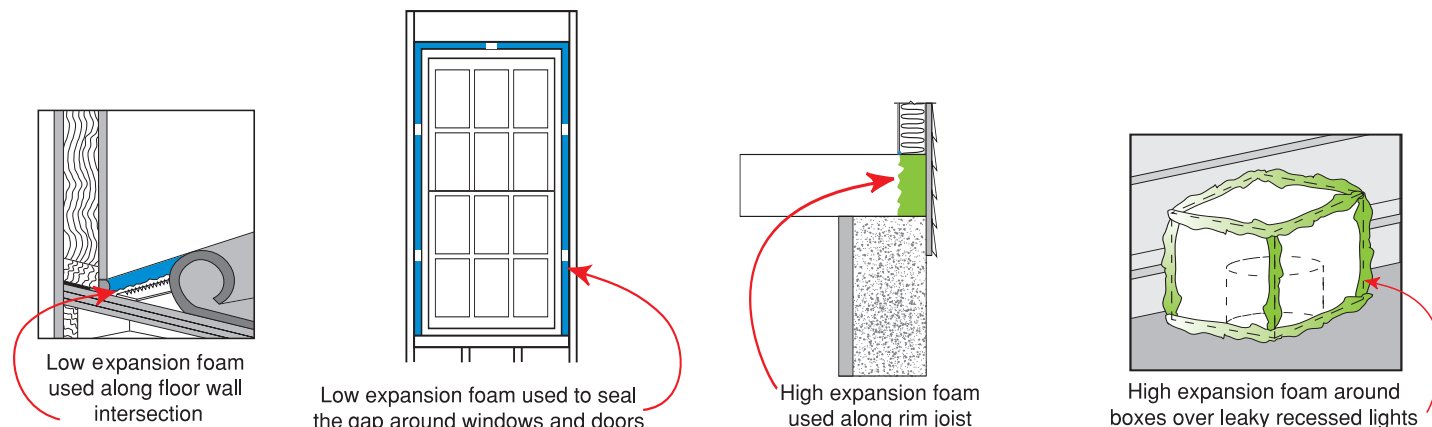
# AIR SEALING TIPS AND TECHNIQUES



ENERGY FEDERATION  
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## Using Foam

Both low and high expansion foam are intended to be used as Air Sealing products. While they have value as insulation — up to R7 per inch, the benefit given to the contractor and homeowner comes from reducing air leakage, eliminating drafts, stopping heat loss, and increasing overall comfort.



### Low Expansion Foam

- Use for cracks and small openings around windows and doors, plumbing, HVAC and electrical penetrations.
- Single component — moisture cured. Gets moisture from the air or surface of wood. Use a spritzer during very cold, dry weather to induce curing.
- 20 minutes to full cure. Less than 10% expansion when cured.
- Can of foam remains attached to the gun between uses eliminating waste.
- The trigger can be set to control the bead size.
- Cleaner should be used infrequently.

### High Expansion Foam

- Used for big voids: rim joists, roof/wall joints, big gaps in framing, blind corners, under hot tubs and Jacuzzis, wall/ceiling intersections, around boxes over can lights.
- Two components — A and B in separate canisters.
- Sprays out with the consistency of oatmeal.
- Cures through a chemical reaction. Can't stop the process once it starts.
- Cures to 3 – 5 times its output size. 40 seconds to 90% cure, 2 minutes to full cure.
- Used with a gun and double hose assembly.
- Components first meet in the nozzle of the gun. Nozzles are replaceable.
- With larger kits, hoses can be transferred to subsequent kits up to 5 x.
- Kit should be used within 2 weeks once started.

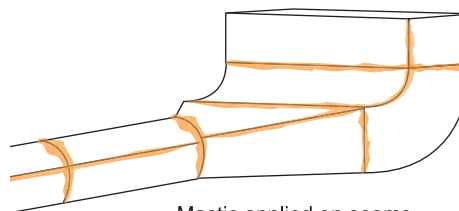
## Duct Sealing Tips

It has long been known that a well installed and sealed duct system increases equipment efficiency, health, safety and comfort for the homeowner. By properly installing and then sealing ducts, the contractor can diminish the possibility of moisture and mold problems, the potential for back drafting appliances, and the potential of introducing pollutants to the living environment.

### Using Mastic

- Seal all seams and joints by brushing on
- Use mastic along with mesh tape to bridge the gap and strengthen the seal.
- Water based — easy to apply and clean up.
- Remains flexible over time as ducts expand and contract.

Other Air Sealing products that EFI carries include vapor barriers that get installed with high adhesion tape and acoustical sealant, air tight electrical boxes, caulking, weatherstripping and exterior penetration flashing. Call the Wholesale Division for further information and guidance.



Mastic applied on seams and gaps on duct work