

**EXISTING HOMES SPECIFICATIONS MANUAL**

# DUCT INSULATION COMPLETE MEASURE CHECKLIST

All work shall meet Energy Trust of Oregon specifications. **This checklist serves as a reference guide only.** Refer to the 2017. Specifications Manual for additional information and clarification. Specific reference sections are noted in italics.

**A functioning UL-listed carbon monoxide alarm is required as part of duct insulation whenever a combustion appliance is present in the home, an attached garage, or another attached space.**

**Prescriptive Duct Sealing Target Areas (In Order of Priority) DU 1.1d**

<input type="checkbox"/> 1. Mastic plenum	<input type="checkbox"/> 7. Mastic gores on adjustable elbows
<input type="checkbox"/> 2. Mastic plenum-to-takeoff connections	<input type="checkbox"/> 8. Mastic finger/dovetail joints
<input type="checkbox"/> 3. Remove existing loose tape before applying mastic	<input type="checkbox"/> 9. Mastic boots
<input type="checkbox"/> 4. Mastic branch Ts, Ys and Ls	<input type="checkbox"/> 10. Mastic or caulk boot connections to floor/wall/ceiling
<input type="checkbox"/> 5. Add three screws to each duct connection	<input type="checkbox"/> 11. UL-181 tape or caulk air-handler cabinet to return and base can
<input type="checkbox"/> 6. Mastic duct-to-duct connections	

**Other Duct Insulation Requirements**

Duct Repair: DU 1.1a	<input type="checkbox"/> Rusted/crushed/disconnected/ineffective duct section repaired/replaced	
	<input type="checkbox"/> Repaired by sheet metal, sheet metal screws and/or mastic and mesh-reinforcing tape	
	<input type="checkbox"/> Mesh-reinforcing tape and mastic used on gaps > 1/8"	
Duct Support: DU 1.1b	<input type="checkbox"/> Mesh-reinforcing tape and mastic used on	<input type="checkbox"/> Supported above ground (If not possible, closed-cell rigid foam shall be placed under duct)
Flexible Duct: DU 1.1b, DU 1.1e	<input type="checkbox"/> Supported within 3' of hard duct connection	
	<input type="checkbox"/> Support material at least 1 1/2" wide and does not restrict airflow	
	<input type="checkbox"/> Support material shall be UL-181 rated	
	<input type="checkbox"/> Sections joined to rigid duct of a matching diameter	
	<input type="checkbox"/> Inner and outer lining tightly fastened with compression strap	
Duct Insulation: DU 1.2	<input type="checkbox"/> Secured to ductwork every 12" with rot-proof twine/noncorrosive wire/ manufacturer-approved vinyl tape	

Print Name:	Signature:	Date:
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