



Havelock Wool Loose fill Install Instructions

General:

Installation procedures and techniques must be as recommended by Havelock Wool. Loose fill insulation can be installed by hand though pneumatic blowing is recommended. There are various machines fit for installing wool. A typical insulation blower will not work. A commercial vacuum is recommended though the average DIYer may use a slightly retrofitted leaf blower.

For Contractors, New Installers and Adventurous DIYers:

Tools Needed:

Insulation removal vacuum.
6" OD to 4" ID hose reducer
~100 feet of 4" hose
~5 feet of 3" hose (this is optional for stud bay application, though necessary for a 2x4)
~10 feet of 6" hose
Membrane to cover open stud bays
Stapler (pneumatic preferred)

Blowing machine examples:

<https://www.sunbeltrentals.com/equipment/detail/960/0610500/insulation-removal-vacuum/>
<https://www.aurorarents.com/equipment.asp?action=category&category=48&key=VACWUIG>

Step 1

Wool Preparation:

There is an inner bag within the protective sleeve. Slice the sleeve off, leaving the inner bag intact. Introduce as much air as possible before removing from the bag and blowing the wool. The bag has been vacuumed for shipping efficiency and wool does not like compression. The more air introduced prior to blowing the easier the process.

Machine Preparation:

A 6" intake and exhaust on an 18-20 horse power machine is ideal. We recommend reducing the exhaust from 6 to 4" right at the machine. A reducer is often provided with the rental (see aurora rents above) though one can be sourced at Home Depot and should be 6" OD and 4" ID for best results. For an attic the 4" hose is ideal. If blowing in a 2x6, or

certainly a 2x4, we recommend further reducing the 4" to 3" in the last 4-5' of hose. The intake should be a 6" hose, 5-7ft in length.

Step 2

After 'fluffing' the wool dump it onto a tarp or into a hopper. This is where the wool will be vacuumed from. Note a hopper with an agitator will cause problems and slow production. Wool sticks to everything which is great for avoiding settling once installed but also a challenge in the process thus we aim to introduce as little obstruction as possible.

Step 3

Measure amounts to understand density. Simple math can be applied to measure and achieve proper density. For example, using the coverage chart on our spec sheet, one bag of loose-fill will cover 47 s/f of wall space where the cavity is 5.5" deep – or a standard 2x6. A standard wall height is 8 ft. Measure 6' across the wall and you will have an idea for where one bag of wool should be blown. ($6 \times 8 = 48$). To further simplify a standard stud bay is 16" O/C and 96" tall. That is ~10.6 square feet. Correct density for a 2x6 is 0.53 lbs per s/f @ 5.5" or 5.6lbs in the stud bay mentioned above. Measuring this amount of wool and blowing it in a few cavities may prove quite useful over the course of the entire job.

Step 4

Turn on the machine; after warm up run it near or at full throttle. This will help to avoid clogging the machine. Also, it is easy enough for the installer to regulate flow by placing his/her hand over the end of the hose when switching cavities. For attic installs we recommend using a 4" hose, placing rulers at various intervals around the area so as to provide a guide for desired depths.

Step 5

Have fun

See our YouTube channel for further recommendations.

For DIYers:

Hand stuffing is certainly feasible. We recommend using a blower; if a machine rental shop is not able to assist there is an option on Amazon, or your local hardware found [here](#).

See our YouTube channel for further recommendations.

Video:

Havelock Wool Insulation maintains a Youtube page. It can be reached via google or by clicking on the link [here](#).

Call Us:

We are passionate about all things wool and appreciate change is not well received in the built environment. We will happily talk you through the process and trouble shoot what is ultimately an enjoyable and hugely rewarding process.

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