

Benefits of Havelock Wool

Improves Indoor Air Quality	Wool absorbs harmful chemicals such as formaldehyde, NOx and SO2.
Manages Moisture	Wool absorbs and releases moisture and will not support the growth of mold.
Absorbs Sound	Wool exceeds other forms of insulation as an acoustic buffer.
Improves the Environment	Wool is sustainable, renewable and removes carbon from the atmosphere.
Basic Use	Havelock Wool is used in residential and commercial construction as thermal and acoustic insulation. It can be used in open attic areas, enclosed walls, floors, ceilings, basements and crawl spaces.
Composition & Materials	Havelock Wool insulation is 100% wool with no synthetic mix or chemical binders.
Availability	Distributed and sold throughout the United States and Canada. For availability and cost, contact Havelock Wool on +1 775 971 4870 or sales@havelockwool.com
Durability	Havelock Wool insulation will last the life of the structure.
Shipping Details	All pallets are 48"x48"x96". Loose fill bags are 48"x15"x15" at 30lbs each. Pallets contain 21 bags and weigh 670lbs. 16" O/C R13 batt bags are 48"x32"x16" at 35lbs each. Pallets contain 12 bags and weigh 460lbs. 16" O/C R20 batt bags are 48"x32"x16" at 35lbs each. Pallets contain 12 bags weigh 460lbs. 24" O/C R13 batt bags are 48"x40"x12" at 40lbs each. Pallets contain 12 bags and weigh 460lbs. 24" O/C R20 batt bags are 48"x40"x12" at 35lbs each. Pallets contain 12 bags and weigh 460lbs. Pallets are typically shipped via less than truckload (LTL) third party carriers on a semitruck. Deliveries include a liftgate. Shipping quotes are HERE .
Warranty	50 year warranty against material defect; product to be of stated quality and R-Value.



General Information

Havelock Wool Blown-in Insulation is the highest-performance product we offer. Similarly, by R-Value it is one of the best on the market. When factoring other attributes of Havelock Wool, and R4.3 per inch for our blown-in product, there is simply no better way to insulate a home. Other fibrous insulation lack the integrity of the Havelock Wool fiber and therefore need to be densely packed to perform properly. Havelock Wool fibers trap air better than other fibers which allow for higher R-Values to be achieved with less material. Also, lesser fibers will break down and slump over time. This does not happen with Havelock wool, given its inherent characteristics and spring-like shape.

Installation can be performed by hand, by blower provided by Havelock Wool or with tools already owned by your Professional Installer. See our [instructional videos on YouTube](#). Further, our [Insulation Calculator](#) will help you estimate how much insulation you need for your home project. You can also call us anytime.

Installation Overview

Your blown-in insulation will arrive in a compressed sleeve. There is an inner bag within the sleeve. We recommend slicing the sleeve while leaving the inner bag intact. Opening several bags in advance will allow the product to naturally expand for easier installation. Correct installation density is 1.13 pounds per cubic foot (this equates to 3.1lbs of Havelock Wool for standard 2"x4" 16" O.C. 8' tall stud bay or 4.85lbs for a 2"x6" 16O.C. 8' tall stud bay. For other cavity depths and sizes, [visit our Support Center to see how we do the math](#). After you have weighed and installed the correct amount for a few cavities, you will get a feel for how the blower and cavity respond and, simply, away you go installing blown-in insulation. Check density intermittently as there is a natural tendency to overstuff. See our [Blown-In Install Video](#) to see how easy installation is.





Coverage Chart for Walls, BBIBs and Cathedral Ceilings

R-Value	S/F per Bag	Dimensional Lumber	Installed Depth	Price per S/F
15	91	2x4	3.5	\$1.98
24	58	2x6	5.5	\$3.10
31	44	2x8	7.25	\$4.10
40	35	2x10	9.25	\$5.23
48	29	2x12	11.25	\$6.36

Coverage Chart for Attic Floors

R-Value	S/F per Bag	Installed Depth Range in Inches*	Price per S/F
10	136	2.3-4.7	\$1.32
15	91	3.4-7.0	\$1.98
20	68	4.65-9.3	\$2.65
25	54	5.81-11.6	\$3.33
30	45	6.97-14.0	\$4.00
38	36	8.83-17.7	\$5.00
49	28	11.39-22.8	\$6.43
60	23	13.9-27.9	\$7.83

*depends on installed density



Visit [Havelock Wool Insulation's YouTube page](#) for useful videos.

Our [Insulation Calculator](#) will help you estimate how much insulation you need for your home project.

Coverage Chart

R-Value	Thickness	Width	S/F per Bag	Price per S/F
7	2"	16" O/C	100	\$1.50
13	3.5"	16" O/C, 24" O/C	90	\$1.67
20	5.5"	16" O/C, 24" O/C	60	\$2.50

General Information

Installation procedures and techniques must be as recommended by Havelock Wool. Batts are typically cut at 48" and may need to be stretched slightly upon removal from packaging. Unfaced batts are applied with friction. A staple may be added at the installers discretion. Wire may be used in a ceiling joist or with steel framing.

Consistency

Batts are made with a needle punch; there is no bonding agent. This proves useful in installation as batts are somewhat malleable, as opposed to rigid and difficult to manipulate. This softer texture does require a bit of care in handling. Installers should be careful to grab the whole batt with an emphasis on the needled side, which should face out from the cavity.

A quick note on loft

Wool does not appreciate compression. Clearly we need to use some in our packaging and shipping efforts. Each of our batts are the desired height when they are born. We have never seen a batt not regain its loft over time. Environmental conditions eg moisture levels can impact the process.

The Details

Slice the bag open from top to bottom. Grab a grouping of batts and remove them from the bag; do not pull batts from the bag one at a time. Place as desired in the cavity with no gaps; apply a staple or 'lightning rod'. For simple cutting, the [GRip Rite blade](#) works well.

Our HS code for Canada is 5603.94, which is a duty-free classification.

Technical Data for Batt & Blown-In Insulation

PHYSICAL PROPERTIES

Property	Performance	Tests
Surface Burning	Flame Spread (Class A)	ASTM E-84
Fire Hazard	Smoke Developed (Class A)	ASTM E-84
Thermal Conductivity	Resistance Value (see previous charts)	ASTM C-518
Acoustics	Sound Absorption Coefficient (see below)	ASTM C-423
Water Vapor Transmission	108 ng/Pa·s·m	ASTM E-96
Moisture Storage Function	Moisture content 10% at 50% RH	ASTM C-1498
Fungi Resistance (Mold)	Pass	ASTM C-1338
Flammability of Interior Materials	Pass	FMVSS 302

SOUND ABSORPTION COEFFICIENTS AT 3.5 INCHES

Batts

125	250	500	1000	2000	4000	NRC
.72	0.94	0.91	0.85	0.93	0.98	0.90

Loose Fill

125	250	500	1000	2000	4000	NRC
0.73	1.01	0.90	0.91	1.01	1.01	0.95

*The Noise Reduction Coefficient (commonly abbreviated NRC) is a scalar representation of the amount of sound energy absorbed upon striking a particular surface. An NRC of 0 indicates perfect reflection; an NRC of 1 indicates perfect absorption.