

# Specification Sheet



## Havelock Wool Batt Insulation

### Benefits:

**Air Filtration:** this product filters and improves indoor air quality by absorbing VOCs and other harmful chemicals such as formaldehyde, NOx and SO2.

**Moisture management:** wool absorbs and desorbs relative to 65% relative humidity while regulating temperature.

**Acoustics:** wool inherently outperforms other mediums when reducing sound.

**General:** wool is a natural, high-performance insulation medium; it is renewable and sustainable; compostable following an extended useful life and naturally self-extinguishing. The global trade is responsible for the sequestration of some 525,000 tons of atmosphere derived carbon. This is an insulation material you can be proud to have in your walls.

### Basic Use:

Havelock Wool Batt insulation is used in residential and commercial construction as a thermal and acoustic insulation medium. It can be used in open attic areas, enclosed walls, floors and ceilings.

### Composition & Materials:

Havelock Wool Batt insulation is 100% wool with no synthetic mix or chemical binders.

### **AVAILABILITY AND COST**

Distributed and sold throughout the United States. For availability and cost, contact Havelock Wool on +1 775 971 4870 or [info@havelockwool.com](mailto:info@havelockwool.com).

### **DURABILITY**

Havelock Wool insulation will last the life of the structure.

[www.woolinsulation.com](http://www.woolinsulation.com) | +1 775 971 4870 | | 204 Edison Way, Reno, NV 89502

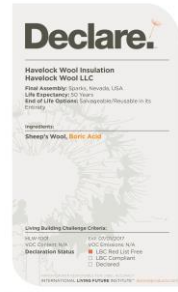
Technical specifications as shown herein are intended to be used as general guidelines only. The physical properties of thermal and acoustic wool insulation listed here are typical, average values obtained in accordance with accepted tested methods and are subject to normal manufacturing variations.

## TECHNICAL DATA

### Compliance:



California Bureau of Thermal Insulation: License #T1500 / Registry #CA-T500



### Physical Properties:

Property	Performance	Test
Surface Burning	Flame Spread (Class A)	ASTM E-84
Fire Hazard	Smoke Developed (Class A)	ASTM E-84
Thermal Conductivity	Resistance Value – see chart below	ASTM C-518
Acoustics	Sound Absorption Coefficient – see below	ASTM C-423

Sound Absorption Coefficients						
125	250	500	1000	2000	4000	NRC*
0.72	0.94	0.91	0.85	0.93	0.98	0.90

\*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.

### AVAILABLE SIZES:

R Value	Thickness	Width	S/F per bag
7	2.0"	15.5"	125
13	3.5"	15.5"	90
20	5.5"	15.5"	60

Note: sizes listed are typically packaged as 48" batts. Alternative lengths and widths are available upon request.

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## INSTALLATION

### General:

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.

### Detailed:

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 source a blade from bullet tools called the CenterFire Insulation Knife Kit. A link is [here](#).

### Video:

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

## SHIPPING

Shipping ranges from one bag to a truckload. We pay for the latter and anything less is charged to the customer. Pallets hold up to 18 bags and can be sent anywhere in the US or Canada. Global shipments are also available.

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

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