

Specification Sheet



Havelock Wool Loose Fill Insulation

PRODUCT NAME: Havelock Wool Loose Fill insulation

MANUFACTURER: Havelock Wool, LLC

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PRODUCT DESCRIPTION

Basic Use: Havelock Wool loose fill insulation is used in residential and commercial construction as a thermal (and acoustic) insulation. It can be used in open attic areas, enclosed walls, floors and ceilings.

Benefits: This product is all natural, renewable and sustainable; compostable following an extended useful life; flame resistant, and able to manage moisture against 65% relative humidity.

Composition & Materials: Havelock Wool loose fill insulation is 100% wool with no synthetic mix.

Limitations:

Installation equipment must be air driven; manual application is optional.

INSTALLATION

Installation procedures and techniques must be as recommended by Havelock Wool; use blowing machines approved for wool insulation.

AVAILABILITY AND COST

Distributed and sold throughout the United States. For availability and cost, contact Havelock Wool on +1 415 887 9919 or info@havelockwool.com.

MAINTENANCE

None required.

TECHNICAL SERVICES

Contact your installer or Havelock Wool on +1 415 887 9919 / info@havelockwool.com.

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

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

COVERAGE CHART – OPEN ATTIC APPLICATION

The following thermal performance values are achieved at the thickness, weights and coverage specified when insulation is installed with pneumatic equipment in a horizontal open blow application.

R Value	Bag Requirements	Max Coverage	Minimum Weight	Minimum Installed Thickness
To obtain thermal resistance of:	# of bags per 1000 sq ft	Contents of bag (25lbs) shall not cover more than: (sq ft.)	Weight per sq ft shall not be less than lbs / sqft:	Minimum thickness
11	10	103	0.24	2.6
13	11	87	0.29	3.0
15	13	76	0.33	3.5
19	17	60	0.42	4.4
22	19	52	0.48	5.1
24	21	47	0.53	5.6
26	23	44	0.57	6.1
30	26	38	0.66	7.0
38	33	30	0.84	8.9
45	40	25	0.99	10.5
50	44	23	1.10	11.7

COVERAGE CHART – CLOSED CAVITY (WALLS, FLOORS, CEILINGS) APPLICATIONS

There is an important distinction to be made for Havelock Wool Loose Fill Insulation. There can be a rather dramatic increase in bags per square foot, particularly at lower R-values eg. 11 – 24 where other products may require more density to avoid the negative effects of gravity over time. The consistency of Havelock Wool Loose Fill Insulation is not subject to these matters due to construction and inherent moisture management characteristics. The effect on cost can be significant.