



**General Product Information:**

Multi-Glass basement insulation kits are designed to aid in energy conservation within the residential market. The product consists of fiberglass insulation, encapsulated within a CGSB certified poly vapor barrier. An upper flap has been included to secure to the beam/joist. A metal band has been included so the insulation system can be securely fastened. Available in various thicknesses and lengths.

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**Description & Common Applications:**

Basement kits are ideal for any unfinished areas that require adequate insulation to meet building code. They have excellent acoustic properties and are well suited for applications that require sound absorption. This product is a flexible, encapsulated fiberglass blanket insulation that is lightweight, water repellent (plastic), and sound absorbent. No need to install a vapor barrier separately, this is a one-step process.

**Maximum Service Temperature:**

ASTM C 411

Hot Surface Performance

Unfaced up to 350°F(177°C)

**Moisture Resistance:**

ASTM C 1104

Less than 3%, exposed to air at 120°F @ 95% humidity

**Microbial Growth:**

ASTM C 1338

Does not promote or support the growth of mold, fungi or bacteria

**Odour:**  
ASTM C 1304

Not Objectionable

<b>Sound Absorption Coefficients</b>								
<b>(ASTM C423, Type A Mounting)</b>								
		<b>1/3 Octave Band Center frequency (cycles/sec.)</b>						
<b>Type</b>	<b>Thickness</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>NRC</b>
1.5 PCF	1" (25mm)	0.03	0.28	0.56	0.82	0.9	0.94	0.65
(24 kg/m <sup>3</sup> )	2" (51mm)	0.38	0.89	1.08	1.14	1.11	1.08	1.05

<b>Thermal Conductivity</b>		
<b>(ASTM C 518 @ 75°F Mean Temperature)</b>		
	<b>THERMAL CONDUCTIVITY</b>	
<b>DENSITY</b>	<b>BTU-in ft<sup>3</sup>·f</b>	<b>m<sup>2</sup>· °C/W</b>
1.5 PCF (24 kg/m <sup>3</sup> )	0.24	0.035

### **Glass Mineral Wool & Mold Growth**

Glass mineral wool insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated. Carefully inspect any insulation that has been exposed to water. If it shows any sign of mold, it must be discarded. If the material shows no evidence of mold it should be dried rapidly and thoroughly.

### **Supplementary standard SB-12 came into force to include the following:**

- Zone 1: New construction with heating equipment AFUE > or = to 90%
  - Ceiling with attic: R50 (was R40)
  - Ceiling without attic: R31 (was R28)
  - Walls above grade: R24 (was R19)
  - Basement walls: R20 (was R12)

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Multi-Glass Insulation Ltd. has no control over installation design and workmanship, accessory materials or application conditions. Multi-Glass Insulation Ltd. does not guarantee the performance or results of any installation containing these products. Multi-Glass Insulation Ltd.'s overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

For more information:  
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