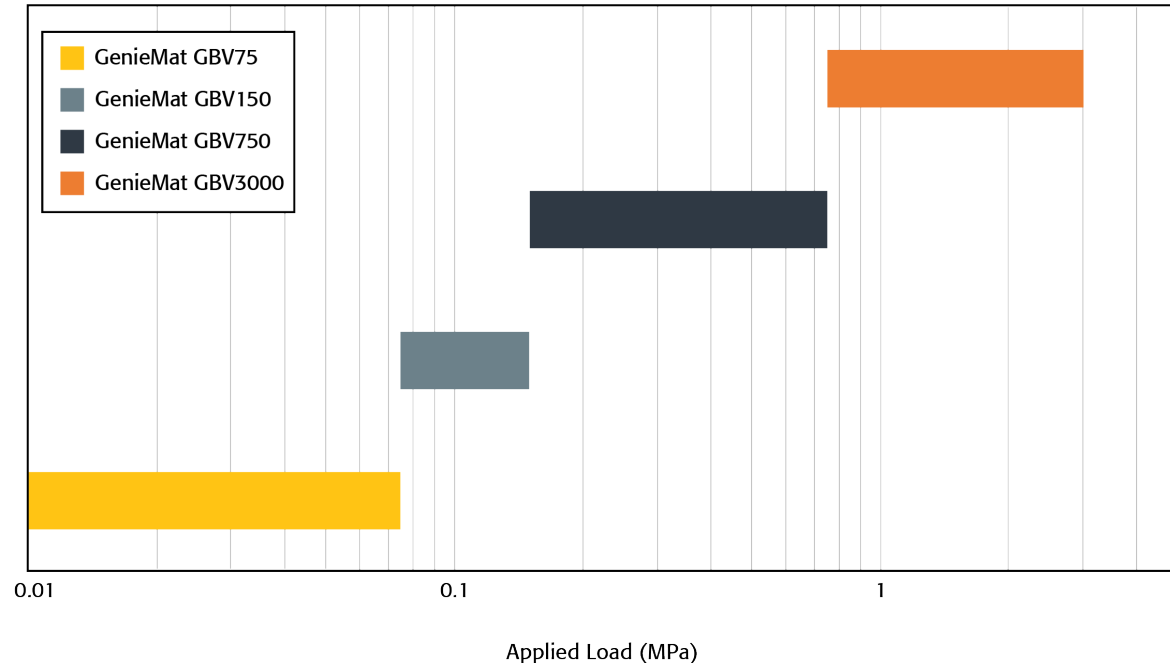


# GENIEMAT<sup>®</sup> GBV3000

## Ground-Borne Vibration Isolation



### PRODUCT RANGE



### PRODUCT SPECIFICATIONS

<b>PRODUCT NAME</b>	GenieMat GBV3000
<b>DESCRIPTION</b>	Dynamically soft rebonded-rubber material capable of withstanding high loads. Used when superior lateral vibration decoupling is required for building isolation.
<b>APPLICATION</b>	Suitable for loads up to 3000 kPa
<b>FEATURES &amp; BENEFITS</b>	<ul style="list-style-type: none"><li>• Dynamically soft for excellent vibration isolation</li><li>• Mold, bacteria, fungi, and water resistant</li><li>• No potential mold -producing fiberglass</li><li>• Will not break down or move under load</li><li>• Easy to install</li></ul>
<b>THICKNESS</b>	50 mm (2")
<b>DIMENSION</b>	Sheets: 610 mm x 610 mm (24" x 24")
<b>SHEET AREA</b>	0.37 m <sup>2</sup> (4 ft <sup>2</sup> )
<b>LEAD TIME</b>	4 weeks after receipt of order

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## Ground-Borne Vibration Isolation



### TECHNICAL DATA

<b>OPERATING LOAD LIMIT</b>	3 MPa
<b>PEAK LOAD LIMIT</b>	4.5 MPa
<b>CREEP RATE</b>	1.0% per decade
<b>MECHANICAL LOSS FACTOR</b>	0.14*
<b>TEMPERATURE STABILITY</b>	-40°C to +80°C (-40°F to +176°F)
<b>THERMAL CONDUCTIVITY</b>	0.13 W/m °C
<b>R-VALUE @ 2"</b>	2.1 ft <sup>2</sup> h °F/Btu

### OPERATING LOAD DATA      1.5 MPa LOADING

<b>NATURAL FREQUENCY</b>	9 Hz
<b>30 Hz DYNAMIC MODULUS</b>	28 MPa

\* Load and frequency dependent

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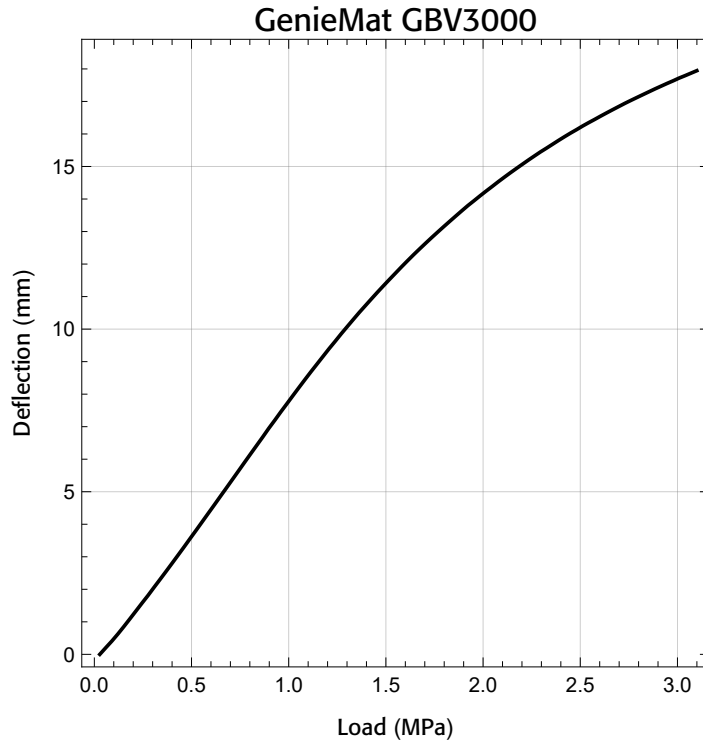


Fig. 1: Applied Load vs Deflection

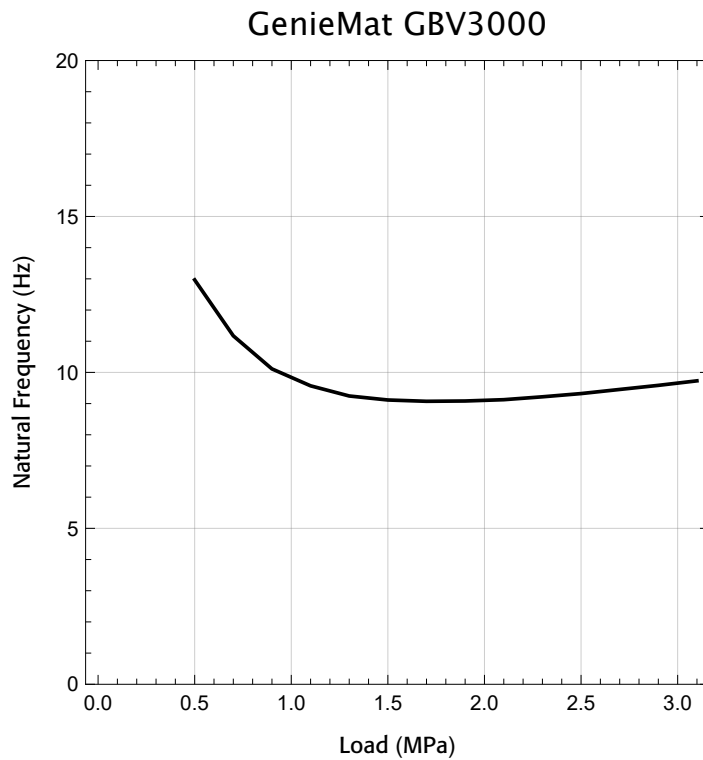


Fig. 2: Applied Load vs Natural Frequency

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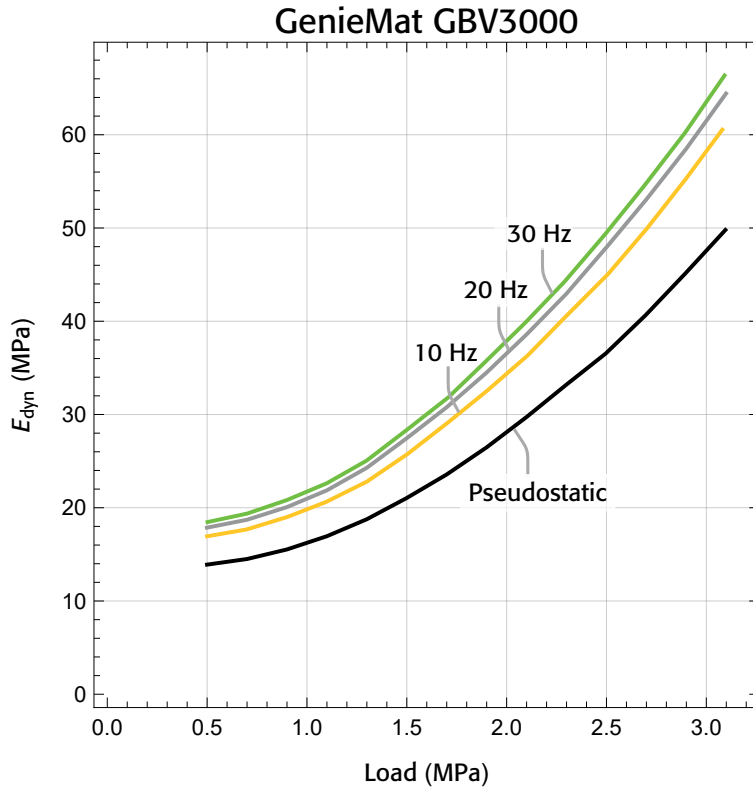


Fig. 3: Applied Load vs Dynamic Modulus

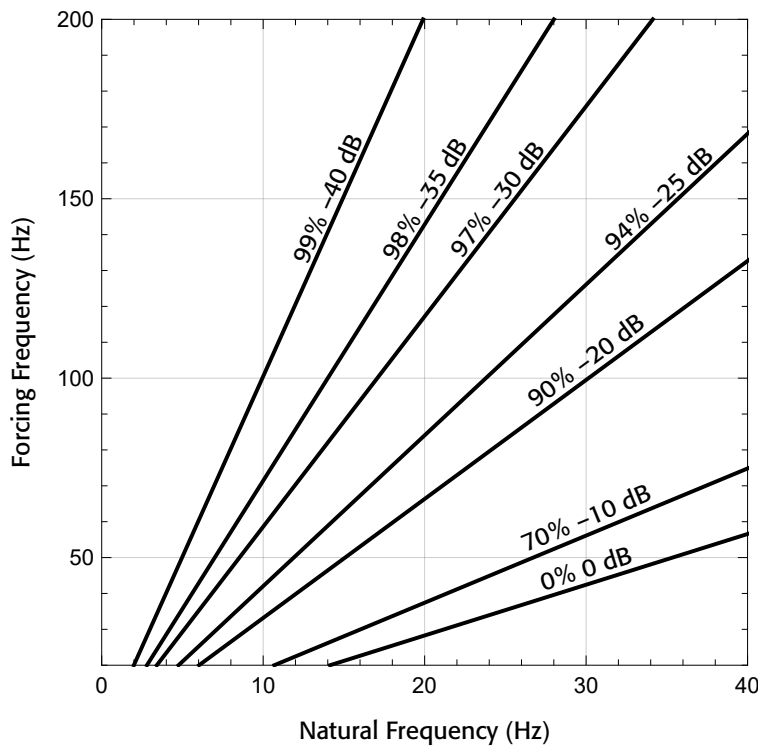


Fig. 4: Isolation Efficiency

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