

GenieMat[®] GBV75

GROUND-BORNE VIBRATION ISOLATION



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat GBV75
DESCRIPTION:	Dynamically soft rebonded-rubber material capable of withstanding high loads. Used when superior lateral or vertical vibration decoupling is required for building isolation.
APPLICATION:	Optimized for loads up to 10.9 psi (75 kPa)
FEATURES AND BENEFITS:	• Dynamically soft for excellent vibration isolation • Mold, bacteria, fungi, and water resistant • Resistant to long-term creep, deflects uniformly over time • Will not break down or move under load • Easy to install
DIMENSION:	Roll: 4' x 15' (nom. 1220 mm x nom. 4572 mm)
THICKNESS:	1" (nom. 25 mm)
WEIGHT:	126 lb/Roll (57.2 kg/Roll)
AREA:	60 ft ² (5.57 m ²)
QUANTITY/PALLET:	12

TECHNICAL DATA

OPERATING LOAD RANGE:	0.145 - 10.9 psi (1 - 75 kPa)
PEAK LOAD LIMIT:	73 psi (500 kPa)
MECHANICAL LOSS FACTOR (DIN 53513):	0.15*
TEMPERATURE STABILITY:	-40°F to +176°F (-40°C to +80°C)
THERMAL CONDUCTIVITY (DIN 52612):	0.76 BTU/ft·h·°F (0.133 W/m·K)
THERMAL RESISTANCE:	1.084 ft²·h·°F/BTU (0.191 m²·K/W)
NATURAL FREQUENCY:	Shall not be greater than 13 Hz @ 1044.3 psf (0.05 MPa) loading
30 Hz DYNAMIC MODULUS:	Shall be 275.5 psi (1.9 MPa) @ 1044.3 psf (0.05 MPa) loading

*Load and frequency dependent

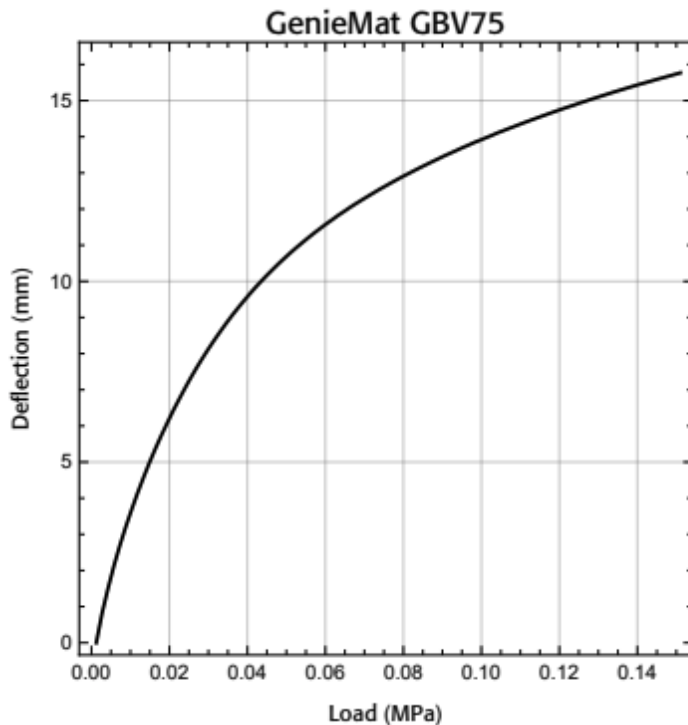


Fig. 1: Applied Load vs Deflection

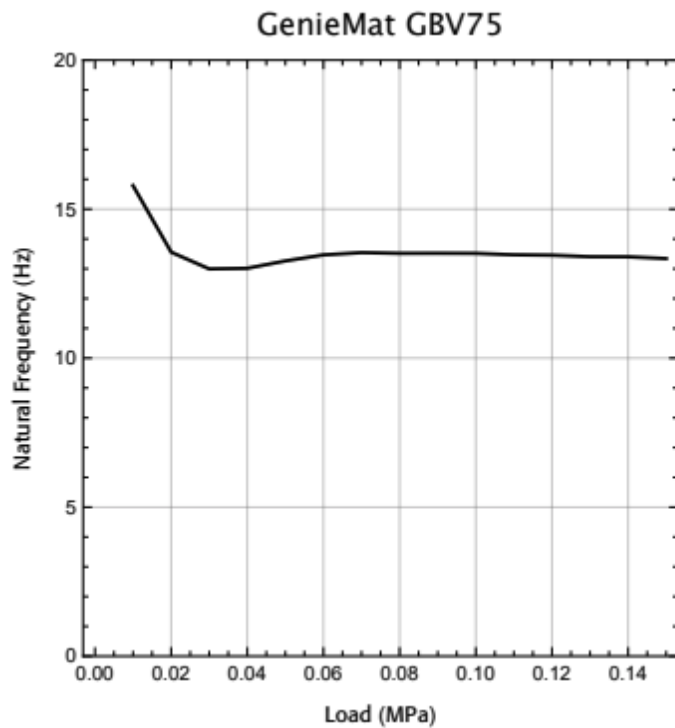


Fig. 2: Load vs Natural Frequency

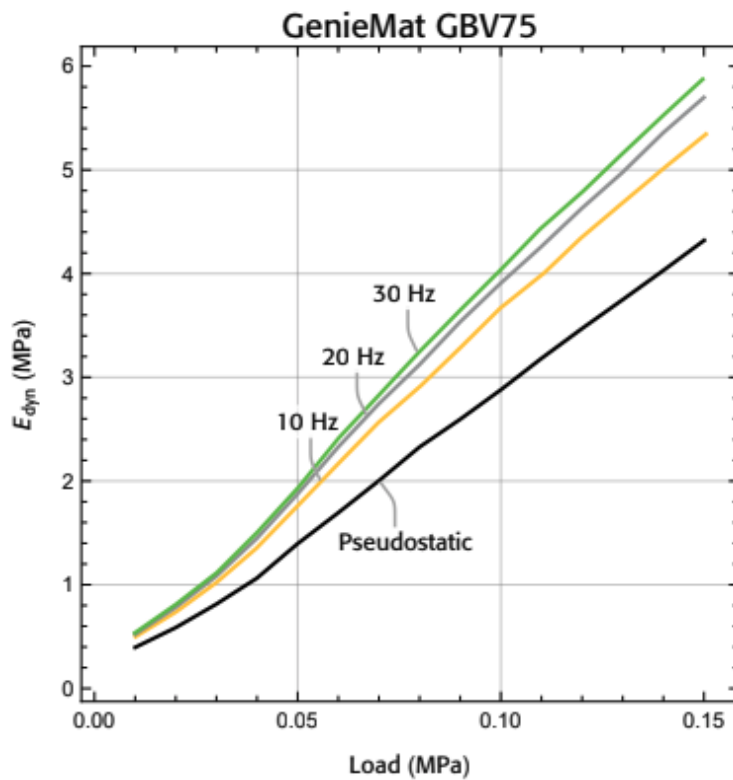


Fig. 3: Applied Load vs Dynamic Modulus

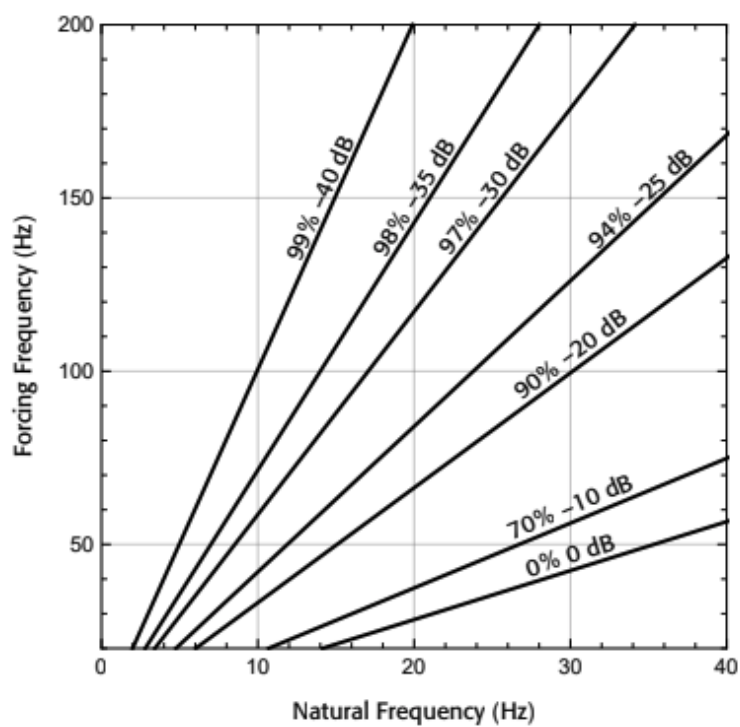


Fig. 4: Isolation Efficiency

AROUND THE WORLD.

PLITEQ NORTH AMERICA

131 Royal Group Crescent
Vaughan, ON
L4H 1X9 Canada

4211, Yonge Street,
Suite 404, Toronto, ON M2P
2A9 Canada

2015 Main St,
Vancouver, BC
V5T 3C2 Canada

251 Little Falls Drive
Wilmington, DE
19808
United States of America
11701 N. 132nd Drive
Surprise, AZ
85379
United States of America

Calz. Gral. Mariano Escobedo
476-piso 12 Chapultepec
Morales, Anzures,
Miguel Hidalgo, 11590
Ciudad de México, CDMX
Mexico

T.+1 416 449 0049
T.+1 480 805 5560
T.+52 1 938 164 1551
info@pliteqacoustics.com
www.pliteqacoustics.com

PLITEQ UNITED KINGDOM

Office 205, Orega High
Holborn, 16 High Holborn,
London, WC1V 6BX
United Kingdom

T.+44 203 9846444
info@pliteqacoustics.com
www.pliteqacoustics.com/uk

PLITEQ MIDDLE EAST

European Business Centre
Dubai Investment Park
PO Box 473 512
United Arab Emirates

T. +971 4 567 4944
info@pliteqacoustics.com
www.pliteqacoustics.com/ae

PLITEQ ASIA PACIFIC

78 Shenton Way Tower 2,
6th Floor, Office Suite 25
079120, Singapore

T.+65 6813 2017
info@pliteqacoustics.com
www.pliteqacoustics.com/sg

PLITEQ AUSTRALIA

72 York Street, South
Melbourne, VIC, 3205
Australia

T.+61 3 9018 7696
info@pliteqacoustics.com
www.pliteqacoustics.com/au

