

GenieMat® FF50

ROLL-OUT FLOATING FLOOR



PATENTS: US 8,240,430 US 8,556,029 CA 2,500,956 CA 2,503,420

PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat FF50
DESCRIPTION:	Robust dimpled rubber mat with integrated poly sheet made from up to 94% recycled rubber content used when superior sound control is required in mechanical rooms, sound studios, home theatres, entertainment venues, medical facilities, fitness studios, gyms, dance floors, or swimming pools. GenieMat FF can be used in commercial, industrial, and multifamily housing.
APPLICATION:	Shock absorbing and airborne/impact sound reducing subfloor mat to be used under cementitious toppings or dry laid boards (GenieBoard® , plywood, etc.).
FEATURES AND BENEFITS:	• Significantly improves impact and airborne sound ratings • Mold, bacteria, fungi, and water resistant • Qualifies for LEED® points • Easy to install, stays in place, and does not need to be adhered or fastened to substrate • Third-party verified EPDs available • Minimized deflection under variable loading • Not impacted by air stiffness
DIMENSION*:	Roll: 4' wide, 15' long (nom. 1.22 m wide, nom. 4.57 m long)
THICKNESS*:	Total System (2 layers): 2" (nom. 50 mm) Single Layer (GenieMat FF25): 1" (nom. 25 mm)
WEIGHT*:	140 lb/Roll (63.5 kg/Roll)
AREA*:	60 ft² (5.57 m²)
QUANTITY/PALLET:	6

*System is comprised of (2) layers of **GenieMat FF25**. Data presented in this sheet (where indicated) reflect individual layer specifications unless noted.

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TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	40 (±5) Durometer
REDUCTION OF IMPACT SOUND PRESSURE LEVEL (ASTM E492/E2179, ISO 10140-3):	GenieMat FF50 tested over 6-7/8" (nom. 175 mm) 5-ply cross laminated timber (CLT) with 4" (nom. 100 mm) concrete topping, no ceiling, IIC 54dB GenieMat FF50 tested over 5-1/2" (nom. 140 mm) concrete slab with 4" (nom. 100 mm) concrete topping, no ceiling, IIC 67 and ΔIIC 33dB as per ASTM E2179 GenieMat FF50 tested over 5-1/2" (nom. 140 mm) concrete slab with 2-3/8" (nom. 60 mm) gypsum concrete, no ceiling, IIC 66 and ΔIIC 38dB as per ASTM E2179
DEFLECTION CREEP:	Shall not experience deformation greater than 3% of the total thickness under a load of 157 lbf (698 N) for a constant 24 hour period
NATURAL FREQUENCY:	13 Hz at 200 psf (0.01 MPa) load 12 Hz at 400 psf (0.02 MPa) load 12 Hz at 2000 psf (0.1 MPa) load
VOC EMISSIONS (CDPH/EHLB STANDARD METHOD v1.2-2017):	FloorScore [®] certified
DYNAMIC STIFFNESS (ASTM D5992, ISO 4664-1):	407 lbf/in ³ (110 MN/m ³)
STATIC STIFFNESS (ASTM D5992, ISO 4664-1):	42 lbf/in ³ (11 MN/m ³)
DYNAMIC-STATIC STIFFNESS RATIO (ASTM D5992, ISO 4664-1):	9.71
BUTADIENE PURITY AND HYDROCARBON IMPURITIES (ASTM D2593):	None detected
TEMPERATURE STABILITY:	-40°F to +176°F (-40°C to +80°C)

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

