

GenieMat® FF70-9LDM-50

FLOATING FLOOR PANEL SYSTEM



PRODUCT SPECIFICATIONS

PRODUCT NAME: **GenieMat FF70-9LDM-50**

DESCRIPTION: Modular subfloor panels with discrete elastomer isolators and mineral wool insulation, pre-assembled onto oriented strand board (OSB). **GenieMat FF70-9LDM-50** is used when superior sound control is required in mechanical rooms, sound studios, home theatres, entertainment venues, medical facilities, box-in-box constructions, fitness studios, gyms, or dance floors. **GenieMat FF70-9LDM-50** is used in commercial, industrial, and multifamily residential applications.

APPLICATION: Shock absorbing and airborne/impact sound reducing subfloor panels to be used under cementitious toppings or dry laid boards (**GenieBoard®**, plywood, etc.).

FEATURES AND BENEFITS:

- Significantly improves impact and airborne sound ratings
- Increased load per isolator area yields superior natural frequency
- Eases fatigue, reduces joint and muscle stress, and prevents general discomfort and injuries associated with repetitive motion and high impact activities from athletic movements in yoga, pilates dance and basketball through force reduction as per DIN 18032
- No wet trades are required
- No shop drawings required
- Modular system designed for quick and easy assembly, eliminating the need for metal connector plates

DIMENSION: Panel: 23-1/4" wide, 23-1/4" long (nom. 590 mm wide, nom. 590 mm long)

THICKNESS: 2-3/4" (nom. 70 mm)

PANEL WEIGHT: 9.2 lb (4.2 kg)

PANEL AREA: 3.75 ft² (0.35 m²)

QUANTITY/PALLET: 100

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TECHNICAL DATA

LABORATORY IMPACT
INSULATION CLASS (ASTM
E492/E2179, ISO 10140-3):

Specified floor-ceiling assembly must be tested in a NVLAP-certified laboratory and comply with ASTM and ISO standards.

NATURAL FREQUENCY:

21 Hz at 50 psf (0.002 MPa) load
9 Hz at 200 psf (0.01 MPa) load
6 Hz at 400 psf (0.02 MPa) load
11 Hz at 2000 psf (0.1 MPa) load

DEFLECTION:

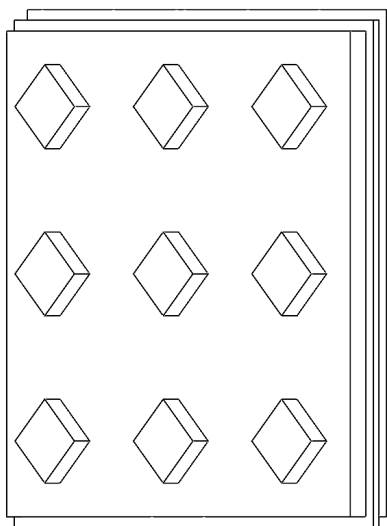
nom. 3/4 in (19 mm) at 400 psf (0.02 MPa) load

FIELD IMPACT INSULATION CLASS
(ASTM E1007, ISO 717-2, ISO 140-7):

Specified floor-ceiling assembly must meet requirement as stated by building code and/or acoustical consultant.

TEMPERATURE STABILITY:

-40°F to +240°F (-40°C to +115°C)



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