

GenieMat® xFIT100

FITNESS FLOORING SYSTEM



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat xFIT100
DESCRIPTION:	Resilient floor system made from up to 92% recycled rubber content for shock, vibration, and noise reduction. Engineered for use where extra heavy weight drops are unavoidable in fitness, gym, sports, and training facilities, and high-traffic or acoustically-sensitive environments.
APPLICATION:	Used in facilities where overhead weight drops exceeding 100 lbs (nom. 45 kg) can occur. Typical uses of this flooring system include high-intensity interval training (HIIT), Crossfit® and Olympic-style weightlifting facilities.
FEATURES AND BENEFITS:	• Durable dual-pedestal design engineered for high impact performance in demanding fitness environments • Omni-directional interlocking system ensures secure hold and efficient installation • High-compression wear layer for superior abrasion and slip resistance and color-retention • Accessories include profiled edging, inside and outside corner pieces and accessibility compliant transitions • Will not harden or become brittle with age • Qualifies for LEED® points • Mold, bacteria, fungi, and water-resistant
COLOR:	Mostly smooth, non-porous granular rubber surface available in a variety of standard colors
DIMENSION*:	Finished Floor: 24" x 24" (nom. 610 mm x nom. 610 mm)
THICKNESS*:	Finished Floor: nom. 1-1/4" (nom. 30 mm)
WEAR LAYER DENSITY:	Shall be > 62.43 lb/ft ³ (1000 kg/m ³)
WEIGHT:	14 lb/ft ² (68 kg/m ²)
AREA*:	Finished Floor: 4 ft ² (0.4 m ²)
QUANTITY/PALLET*:	Varied by layer

*System is comprised of multiple layers to equal a finished elevation of 3-7/8" (nom. 100 mm). Data presented in the data sheet are for the finished floor. Underlying components will vary in thickness and dimension.

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TECHNICAL DATA

RUBBER DETERIORATION/ AIR OVEN (ASTM D573):	No deterioration
COEFFICIENT OF FRICTION (ASTM D2047):	0.83 Dry, 0.88 Wet
TENSILE STRENGTH OF WEAR LAYER (ASTM D412, ISO 37):	> 300 psi (> 2.1 MPa)
ELONGATION AT BREAK (ASTM D412, ISO 37):	> 190%
TEAR RESISTANCE (ASTM D624, ISO 34):	51 lb/in (8.9 N/mm)
WEAR INDEX (ASTM D3389, ASTM C501, DIN 53516):	0.386
COMPRESSION SET (ASTM D395, ASTM D3574, ISO 1856):	4.37% Permanent Set
CRITICAL RADIANT FLUX (ASTM E648, ISO 9239):	Passes, > 697.4 BTU/hft ² (0.22 W/cm ²) / Class II
IGNITION CHARACTERISTICS (ASTM D2859):	Pass
FREEZE THAW (ASTM C666, EN 12467):	No deterioration

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