

GenieMat® PEAKFORCE ELITE

FITNESS FLOORING SYSTEM



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat PeakForce Elite
DESCRIPTION:	High performance acoustical fitness flooring system with a rigid core PVC-free wood look finish.
APPLICATION:	Used when superior vibration, and noise control is required in fitness, yoga, spin, sports, training, and other athletic facilities.
FEATURES AND BENEFITS:	• Highly durable and does not contain any phthalates, plasticizers, formaldehyde or heavy metals • Qualifies for LEED® points • High composition of post-consumer recycled content and fully recyclable
COMPOSITION:	PVC-free Polypropylene (PP) and ceramic mineral board (homogeneous) with an up to 92% recycled rubber content acoustical system.
INSTALLATION METHOD:	Multi-layer glue-down. Please refer to the individual product installation guides for further details.
FINISH EDGE DETAIL:	Micro-beveled edges
DIMENSION*:	Finished Floor: 8" wide, nom. 59-13/16" long (nom. 203 mm wide, nom. 1519 mm long)
THICKNESS*:	Finished Floor: nom. 1/4" (nom. 5.5 mm)
WEIGHT:	13.43 lb/ft² (66 kg/m²)
AREA*:	Finished Floor: 3.32 ft² (0.31 m²)
QUANTITY/PALLET*:	Varied by layer
WARRANTY:	Lifetime limited residential 10-years light commercial Not warranted for damages caused by impacts from weight drops

*System is comprised of multiple layers to equal a finished elevation of 3-3/8" (nom. 86 mm). Data presented in the data sheet are for the finished floor. Underlying components will vary in thickness and dimension.

Note: If installing fitness equipment over the GenieMat PeakForce system please contact your local Pliteq Sales Engineer to coordinate the addition of the included GenieMat Load Plates to your sales order.

TECHNICAL DATA FOR FINISH LAYER

GEOMETRICAL CHARACTERISTICS (ISO 24337):	Meets and/or exceeds requirements
ABRASION RESISTANCE (EN 15468):	Exceeds requirements, > 7000 revolutions
RESISTANCE AGAINST IMPACT (EN 13329):	Meets requirements, big ball > 70-7/8" (1800 mm)
MICROSCRATCH RESISTANCE (EN 16094):	Meets requirements, MSR-A2
EFFECT OF A CASTOR CHAIR (EN 425):	Meets requirements, no visible change/damages
EFFECT OF A FURNITURE LEG (EN ISO 16581):	Meets requirements, no visible change/damages
STATIC INDENTATION (EN ISO 24343):	Exceeds requirements, 0.004" (0.1 mm)
RESISTANCE AGAINST STAINING (EN 438-2):	Exceeds requirements, grade 5 for groups 1, 2 & 3
LOCKING STRENGTH (ISO 24334):	Exceeds requirements, long side > 14.28 lbf/in (2.5 kN/m) short side > 25.7 lbf/in (4.5 kN/m)
DIMENSIONAL STABILITY (EN ISO 23999, ASTM F2199):	Exceeds requirements, length 0.1% / width 0.1%
DIMENSIONAL VARIANCE (ASTM F387):	Meets and/or exceeds •thickness
RESIDUAL INDENTATION (ASTM F1914):	Exceeds requirements, 0.002" @ 75 lbs (0.05 mm @ 34.02 kg)
SURFACE INTEGRITY (ASTM F1914):	Meets and/or exceeds @ 140 lbs (63.5 kg)
CURL (ASTM F2199):	Exceeds requirements, 0.04" (1 mm)
RESISTANCE TO CHEMICALS (ASTM F925):	Exceeds requirements, "o - No Change"
RESISTANCE TO HEAT (ASTM F1514):	Exceeds requirements, Delta E Rating (ΔE) < 0.5
RESISTANCE TO LIGHT (ASTM F1515):	Exceeds requirements, Delta E Rating (ΔE) < 1

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STATIC LOAD (ASTM F970):	Exceeds requirements, 1200 psi (8273.7 kPa) 0.005" (0.13 mm)
THERMAL RESISTANCE (R-VALUE) (EN12667):	0.01 (ft ² hr°F)/BTU (0 [m ² K]/W)
LIGHT FASTNESS (EN 13329):	Meets and/or exceeds
THICKNESS SWELLING (NALFA 3.2):	Exceeds requirements, < 0.9%
SURFACE BOND (NALFA 3.10):	Exceeds requirements, 304.58 psi (2.1 N/mm ²)
DEFLECTION (ASTM F1304):	Meets and/or exceeds
SLIP RESISTANCE (ASTM D2407, ANSI/NFSI B101.3):	$\mu > 0.5$ SCOF dry $\mu \geq 0.3$ DCOF wet
RESISTANCE TO FUNGI (ASTM G2, ANSI A118.10, ISO 13007):	Rating 1 (week 1 - 0, week 2 - 0, week 3 - 0, week 4 - 1)
HEAVY METALS (EN 15102 to DIN EN 71-3 AND DIN EN 12149):	Passes, very low or not detectable (Sb, As, Ba, Cd, Cr, Hg, Pb, Se)
FLAMMABILITY (ASTM D2859):	Passes (face side)
SMOKE DENSITY (ASTM E662):	Passes, 83 flaming / 447 non-flaming
CRITICAL RADIANT FLUX (ASTM E648, ISO 9239):	Passes, > 1426.49 BTU/hft ² (0.45 W/cm ²) / Class I

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