

**HERO
RUBBER**

MADE WITH



NIKE GRIND

AXIS



THE **HERO** EDGE: FORCE REDUCTION



SHOCK ABSORPTION LEVEL (FORCE REDUCTION)



Force reduction refers to how well a floor absorbs the energy from impact—such as an athlete running, jumping, or landing. It's a measure of how much that force is lessened to protect the body, particularly the joints and lower extremities. Tested according to ASTM F2569, this metric is critical in reducing both immediate injuries (like falls) and long-term overuse injuries (like joint strain).

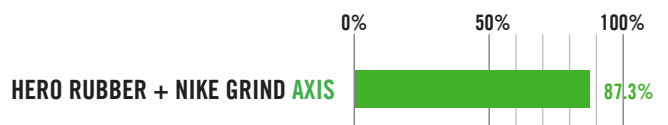
Axis meets ASTM F2772 Class 1 standards, meaning it delivers a minimum of 10% force reduction—helping create a safer, more forgiving surface for athletes of all ages.

THE HERO EDGE: ENERGY RESTITUTION



ENERGY RESTITUTION

ENERGY RESTITUTION



Energy Restitution refers to the amount of impact energy the surface gives back to support movement.

HIGH-PERFORMANCE RUBBER FLOORING FOR HIGH-IMPACT ENVIRONMENTS

AXIS FROM THE 'HERO RUBBER MADE WITH NIKE GRIND' PRODUCT LINES IS ENGINEERED TO PERFORM UNDER PRESSURE—DELIVERING UNMATCHED DURABILITY, COMFORT, AND IMPACT RESISTANCE FOR SPORTS AND RECREATION SPACES.

MADE WITH 20% NIKE GRIND RUBBER OUTSOLE COMPONENTS FROM RECYCLED, END-OF-LIFE ATHLETIC SHOES AND 80% VIRGIN RUBBER EPDM, THIS NON-VULCANIZED FLOORING DELIVERS THE PERFORMANCE ATHLETES DEMAND WITHOUT THE ODOR OR HARMFUL CHEMICALS FOUND IN TRADITIONAL RUBBER FLOORING.

AXIS IS FREE FROM SOLVENTS, VOCs, AND RECYCLED TIRES, MAKING IT A SMART, CLEAN CHOICE FOR YOUR FACILITY.

ENGINEERED TO MEET THE ASTM F2772 STANDARD FOR INDOOR SPORTS FLOORING

The ASTM F2772 standard is the benchmark for evaluating sports flooring in North America. Axis meets Class 1 criteria, validating its ability to support athletes with safety, performance, and reliability.

WHAT THE STANDARD MEASURES:

- Shock Absorption (Force Reduction)**
Reduces the impact from running and jumping—helping protect joints and reduce injury risk over time. Axis meets the required minimum of 10% and is classified as Class 1 under ASTM F2772.
- Vertical Deformation**
Measures how much the floor “gives” under pressure. Too much creates instability. Too little increases injury risk. Axis meets the ideal range for consistent, stable performance for Class B.
- Ball Rebound**
Ball rebound, also known as vertical rebound, measures how much energy a surface gives back when a ball hits it. Axis achieves over 90% rebound ensuring a reliable, uniform response across the entire floor.
- Surface Finish Effect (Friction)**
Strikes the right balance between grip and slide. With a friction value between 80–110, athletes can pivot, cut, and move confidently without fear of slipping or injury.

PRODUCT FEATURES

- Non-vulcanized construction for a solvent-free product
- Excellent grip in both wet and dry conditions
- Dense and durable for high-traffic zones
- Absorbs impact to reduce joint stress
- Low noise and vibration transmission
- Odor-free and easy to maintain
- Certified for indoor air quality (FloorScore®)

KEY BENEFITS

- Helps reduce sports-related injuries
- Lasts longer—no need for frequent replacement
- Minimizes soreness and fatigue
- Improves acoustics in busy spaces
- No unpleasant tire smell
- Cost-effective over time

WHY ASTM F2772 MATTERS

ASTM F2772 was developed specifically for the needs of U.S.-based sports and recreation spaces. It takes into account the multipurpose use of school gyms, fitness centers, and community rec spaces. Compliance ensures your flooring is tested for real-world performance, safety, and longevity.



Equinox Pacific Palisades Kids Club



The Pier at Clemson

FEATURES

RUBBER FROM RECYCLED, END-OF-LIFE ATHLETIC SHOES

ZERO TIRES, ZERO TIRE ODOR

APPROVED FOR AREAS WITH FREE WEIGHTS WHEN USING 8MM THICKNESS OR GREATER

20% NIKE GRIND RUBBER OUTSOLE COMPONENTS

COLORS



Alabaster



Silver



Fossil



Mocha



Hazelnut



Raven



Carnation



Garnet



Rose



Tangerine



Medallion



Lime



Shamrock



Lilac



Admiral



Cobalt

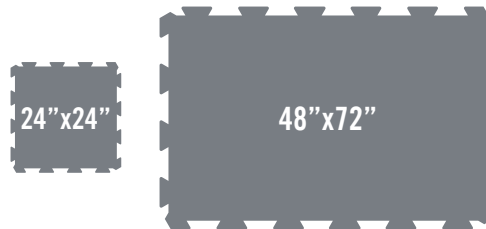


Arctic



Custom Color

SIZES (INTERLOCKING)



SIZES (STRAIGHT EDGE)



THICKNESS

7-12mm

CERTIFICATION



ASTM F2772 STANDARD SPECIFICATION FOR ATHLETIC PERFORMANCE PROPERTIES OF INDOOR SPORTS FLOOR SYSTEMS

GENERAL PRINCIPLE

This specification establishes levels for athletic performance properties of multipurpose indoor sports floor systems. The methods involved in the specification are Force reduction ASTM F2569, surface effect via ASTM E303 and Determination of Vertical Ball Rebound EN 12235/C1. Classification of the product is based on Table 1 and 2 in section 11 of the standard.

TEST	RESULT	CLASSIFICATION
FORCE REDUCTION	10.9%	Class 1
VERTICAL DEFORMATION	0.4 mm	Class B
BALL REBOUND	95.5%	Passes
SURFACE FINISH EFFECT	89 BPV	Passes
ENERGY RESTITUTION	87.3%	

COMMENTS

This sample meets or exceeds the requirements of ASTM F 2772 for Category 1B.

TECHNICAL INFORMATION

SPECS	TEST	HERO VALUES
SOUND ABSORPTION/NOISE REDUCTION COEFFICIENT	ASTM C423	SAA - 0.06 NRC - 0.05
TABER ABRASION	ASTM C501	Weight Loss 2.85 grams (4.0%)
COMPRESSION SET UNDER FORCE	ASTM D395B	94.7% Recovered; 5.3% Unrecovered
BREAKING LOAD AND ELONGATION	ASTM D412	Breaking Load: 73.7lbs - 119.5 lbs Elongation: 69.9% - 117.6% Tenacity: 186.1 lbs/square inch - 292.2 lbs/square inch
STATIC COEFFICIENT OF FRICTION	ASTM D2047	Dry 0.85; Wet 1.01
HARDNESS SHORE A DUROMETER	ASTM D2240	59 - 62
DENSITY FOAM TEST	ASTM D3676	78.3 lbs/cu. ft.
IMPACT SOUND TRANSMISSION (WITH PLENUM)	ASTM E492	4mm IIC 56; 8mm IIC 59
CRITICAL RADIANT FLUX	ASTM E648	CRF 0.23 watts/square cm (4mm 80% EPDM)
CRITICAL RADIANT FLUX (15 MIN BURN)	ASTM E648 (NY)	CRF 0.58 watts/square cm (4mm 80% EPDM)
FLEXIBILITY	ASTM F137	6mm Mandrel PASS
ELECTRICAL RESISTANCE - SURFACE TO GROUND	ASTM F150	1.9 x 10 ¹¹ Ohms (average)
ELECTRICAL RESISTANCE - SURFACE TO SURFACE	ASTM F150	3.9 x 10 ¹¹ Ohms (average)
CHEMICAL RESISTANCE	ASTM F925	No Change
CHEMICAL RESISTANCE - LIQUID NITROGEN (5 MIN & 24 HR)	ASTM F925	No Change
STATIC LOAD (1000 LBS)	ASTM F970	0.042 inch (10.6%) residual compression
SHORT TERM AND RESIDUAL INDENTATION (@ 140 LBS)	ASTM F1914	-0.030 Inch (9.0%) Residual Indentation
MILDEW RESISTANCE	ASTM G21	No Mildew After 28 Days