



ELEVATION SPORT FLOOR

Multi-Sport Vinyl Flooring

Protection Performance

IPI, the Impact Protection Index, is a performance parameter that describes the instantaneous injury risk in conjunction with the protective performance provided by the floor when the human body hits the floor in different ways (ie fall, slip).

A higher IPI impact protection index means less pain, less bruising, and less fractures.

< 50% **LOW PROTECTION** | 50% - 80% **MED PROTECTION** | > 80% **HIGH PROTECTION**



Safety - SA%

Protection of the human body from long-term sports injuries; less risk of tibial fractures, less tendonitis.

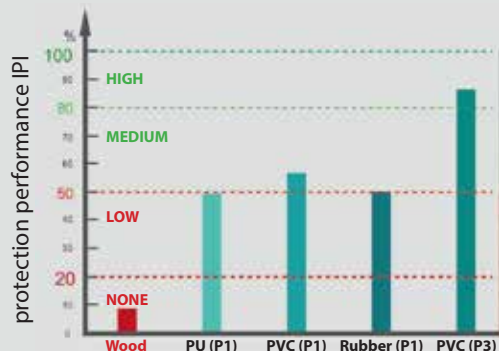
SA% = Shock absorption (EN14904)

25% < P1 ≤ 35% | 35% < P2 ≤ 45% | 45% ≤ P3

Elevation Sports Floor performance products have reached the level of sports protection performance - P3

IPI = 88%

Source: AC P90-205



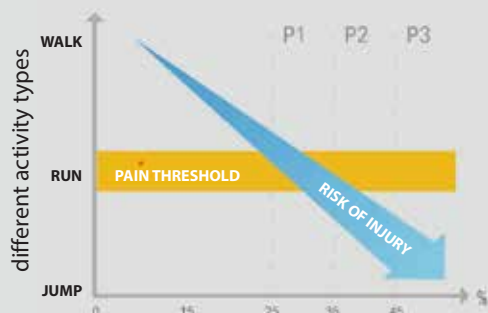
For Protection

Our flooring offers premium protection to greatly reduce the potential risk of injury.

Protective performance is achieved by perfecting shock absorption data to define a sports floor.



According to different shock absorption levels P1, P2, P3 provide the most suitable motion solution to ensure the best safety performance level protection for users.



For Safety

Safety performance is a parameter used to determine sports injury risk.

The better the shock absorption, the lower the risk of injury caused by long-term exercise.

Multi-Sport Floor Color Options

Wood Grains



GREY



WALNUT



BLUE



OAK



MAPLE



CHESTNUT

Various Colors



TEAL



SALMON



ORANGE



BURGUNDY



GREEN



LIGHT GREY



LIGHT BLUE



DARK BLUE



PURPLE



GOLD



DARK GREY



CHARCOAL

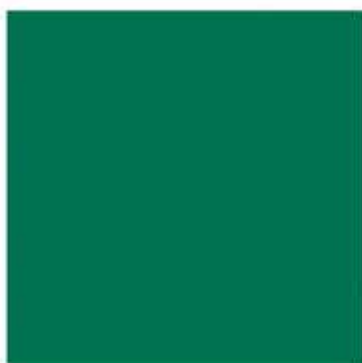
Multi-Sport Floor Thickness Options



BURGUNDY

No. 1 Traction Sport

 Thickness: **5mm**



GREEN

No. 2 Recreation/ Multi-sport

 Thickness: **6mm**



BLUE

No. 3 Multi-sport

 Thickness: **7mm**



OAK

No. 4 Competitive Sport

 Thickness: **9mm**



ELEVATION Sport Floor Advantages



Wear resistant
and skid resistant



Color
stability



Strength
under pressure



Energy
return



Environmentally
friendly material



Shock
absorption



Long lasting
durability



Safety
protection

Multi-color Random Collocation

Create Your Own Color Combination

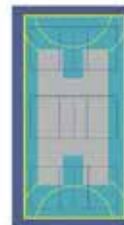
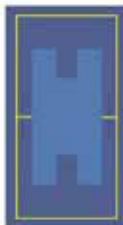
Basketball



Volleyball



Multisports



Multisports



Technical Information

	Standard	Requirement	Measurement
Surface Treat	–	–	–
Roll Thickness	EN428	–	6 mm
Length*Width	EN426	–	15 * 1.8m
Total Weight	EN430	–	4.46 kg/M ²
Thickness of Wear layer	EN429	–	0.6mm
Force Reduction	ASTM F2569	≥ 10% ≤ 21%	19%
Abrasion resistance	EN ISO 5470-1	≤ 1000	66mg
Vertical deformation	ASTM F2157	< 1.8mm	0.8mm
Indentation resistance	Shao A	60-80	78
Shock absorption	DIN14808	≥ 25	30%
Surface finish effect – Linear friction	ASTM E303/ EN 13036-4*	80-110	99
Ball rebound	ASTM F2117	≥ 90	96.2%

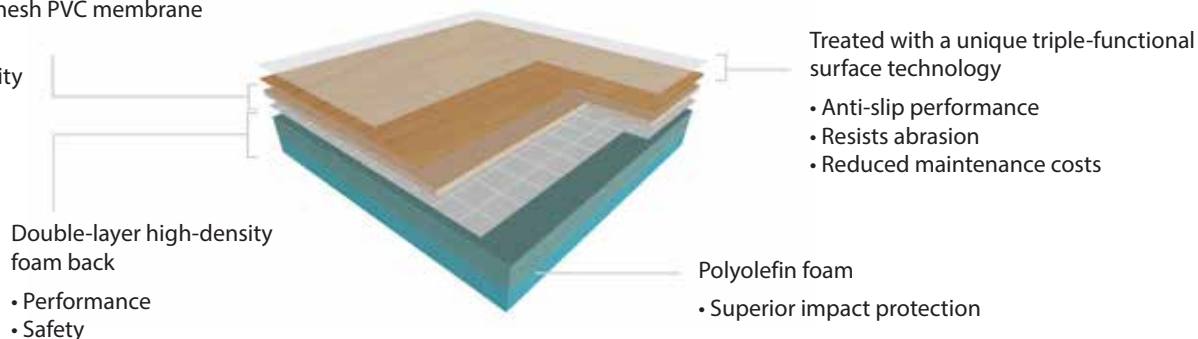
Test Results 6mm

Property	Method	Condition	ASTM F2772 Standards	Results
Force Reduction %	ASTM F2569*	New	Class 1 : ≥ 10% ≤ 21% Class 2 : ≥ 22% ≤ 33% Class 3 : ≥ 34% ≤ 45% Class 4 : ≥ 46% ≤ 57% Class 5 : ≥ 58%	19% Class 1
Uniformity (%)			Each test point within a spread of ± 5.0 percentage points of the average	+1.1
Vertical deformation 9mm)	ASTM F2157*	New	Class A: ≥ 1.8mm < 5.0mm Class B: < 1.8mm	0.8mm Class B
Uniformity (mm)			Each test point within a spread of ± 0.7mm of the average	±0.1
Ball Rebound (%)	ASTM F2117	New	≥ 90%	96.2%
Uniformity (%)			Each test point within a spread of ± 5.0 percentage points of the average	+1%
Surface finish effect – Linear friction	ASTM E303/ EN 13036-4*	New-Dry	80–110	99
Uniformity			Each test point within a spread of ± 4 points from the average	± 1

*Accredited test method

High-pressure layer cohesion reinforced with fiberglass mesh PVC membrane

- High durability
- Excellent stability





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