

POLARIS PUNCH®



Special Features



Applications

- Basketball
- Badminton
- Volley ball
- Indoor soccer
- Club houses
- Physiotherapy centres
- Gyms & Fitness centres
- Pilates & Yoga

Product Description

Polaris® is a multi layered vinyl sports floor covering, available in sheets 1.5m wide with a compact closed cell foam backing, glass fibre reinforcement, vinyl performance layer, embossed PVC wear layer, and printed wood design protected by a transparent wood grain embossed wear layer. It has superior dimensional stability and enhanced indentation ratings. Rapid restoration of the foam layers gives the following extremely good sports performances.

The surface of the product is processed with an easy clean PUR surface treatment that reduces maintenance by delaying wax and polish operations and by acting as a barrier against stains and chemical aggression.

With an elevated underfoot comfort, it is the ideal solution for professional sports, multi-purpose halls, gymnasiums, kindergartens and other applications where athletic performance, safety, energy absorption, noise reduction, design and durability are required. Polaris® complies with the NE 649 norm.

Technical Specifications

For complete Technical testing information refer to PAGE 84.

Polaris Punch®

Sports Vinyl



A Real Knockout

A designed interior reflects the thoughts and quality of your life therefore we produce a variety of colours in 6.5mm and 8.00mm thickness that will touch your soul and enrich your style. The colour palette, texture, pattern and design are features that cannot be overlooked. Tough, durable and scratch resistant against desk and chair bottoms. Low maintenance cost and increased life of the floors.



Cedar Wood

POL - 01



Almond

POL - 02



Walnut

POL - 03



Fig Wood

POL - 04

POLARIS FOOTWORK®



Polaris Footwork®

Sports Vinyl

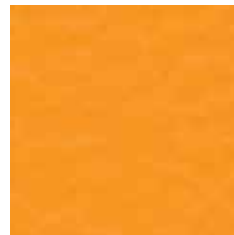
**Player's Delight**

Whilst giving the best in your game, even the smallest mistake can be disastrous. You require flooring that gives you the best support, so your mind is focused on the challenge. Our flooring's unique features ensures that you perform at the peak of your game.



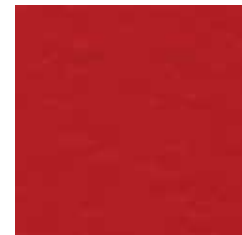
Citrus Yellow

POL - 05



Orange Brick

POL - 06



Plum Red

POL - 07



Light Hydra

POL - 08



Grey Ashes

POL - 09



Indus River

POL - 10



Emerald

POL - 11



Ocean Deep

POL - 12



Parrot

POL - 13



Sea Breeze

POL - 14

SPORTS FLOORING

Sports Flooring	Characteristics	Standards	Units	Polaris Punch® & Polaris Footwork®	
	Indoor Air Quality	CA Section 01350 ($\leq 0.5 \text{ mg} / \text{m}^3$)	Floorscore Certified (SCS - FS - 04547)	Yes	
Product Classification	PVC Sports Flooring		Class	EN 14904 Sports Flooring (Heavy Duty)	
Description	Thickness	EN 428	mm	6.50	8.00
	Weight	EN 430	g/m ²	5700 \pm 100	8800 \pm 100
	Width	EN 426	mtrs	1.50	1.50
	Standard roll length	EN 426	m	15	10
	Maximum roll length	EN 426	m	20	15
Classification	Impact sound insulation	EN ISO 717-2 EN ISO 140-8	$\Delta L_w = \text{dB}$	21 - 23	22 - 24
	Thermal resistance		m ² k/W	0.06 - 0.08	0.08 - 0.10
	Flammability	EN 13501-1	Class	Cfl - S1	
Sports Properties	Rotational friction	EN 13036-4		80 - 110	
	Shock absorption	DIN 18032	%	30 - 32	34 - 36
		EN 14808		P1 \geq 25% 26 - 28	P1 \geq 25% 30 - 32
	Vertical deformation	EN 14809	mm	P1 \leq 2mm 1 - 1.10mm	
	Ball rebound	EN 12235	%	98 - 100	99 - 100
	Specular gloss	EN 2813		≤ 30	
Technical Characteristics	Dimensional stability	EN 434	%	+/- 0.40	
	Indentation resistance	EN 1516	mm	≤ 0.5	
	Resistance to rolling load	En 1569	N	1500	
	Colour fastness	ISO 105-B02		6	
	Resistance to chemicals	EN 423	Benzine, 50% ethanol, 5% fatty alcohol sulfate, 5% acetic acid	No change	
	Abrasion resistance (H 18 wheel)	EN ISO 5470-1	$\leq 1000 \text{ mg} / 1000 \text{ cycles}$	< 250	
	Abrasion group	EN 660-2	Group	T	

