

OES
Outdoor Sports Flooring

OUTDOOR
SPORTS
FLOORING

Basketball • Lawn Tennis • Volleyball • Skating • Cricket Pitch • Hand Ball



OES 14



OES 10



OES 08



OES 06



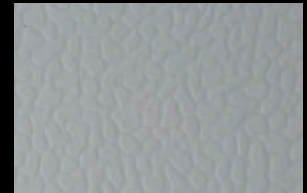
OES 01



OES 04



OES 07



OES 03

Prints colour may deferent from actual flooring

Innovative scientific and technological achievements :

With Beijing University of Chemical Materials and Engineering Experience Centre, strong R&D for strength and understanding the movement of floor in 2017. Two years of development for a kind of compound body mechanics and meet the needs of the sports physical properties, compatible with the characteristics of PU, & rubber environmental polymer nano new material.

Professional spot performance :

OES Outdoor Sports Floor is made of hard surface and elastic interior, and it has good shock resistance and rebound resilience, because of the stable friction coefficients, the floor can buffer the motion impact, avoiding injury for athletes during exercise, so OES outdoor Sports floor is the best choice for professional sports area.

Durability :

OES Outdoor Sports Floor has good temperature resistance, therefore, in the condition of temperature +100 °C to -40 °C it still have good performance. In addition, it has abrasive performance, water-tolerant, skid resistance, ageing resistance etc. Because of the tensile strength and elongation of this product is twice as the foam floor, greatly improve the life of floor, the service life of our high quality flooring is above 15 years.

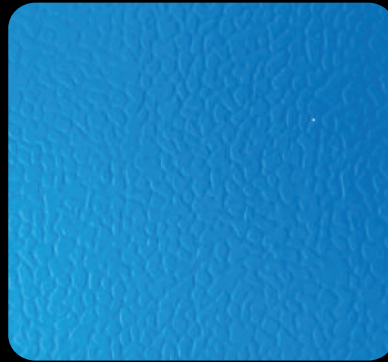
Super bearing capacity :

OES Outdoor Sports Floor is a homogeneous floor, it doesn't have any foam layer if heavy machinery rolled on it, also won't affect the physical index of floor, because of the super bearing capacity, it can be a multi-purpose.

The Sport performance and durable index of OES has passed the physical examination of nation sporting goods supervision and inspection centre



1.5 mtr x 15 mtr. x 2.5 mm

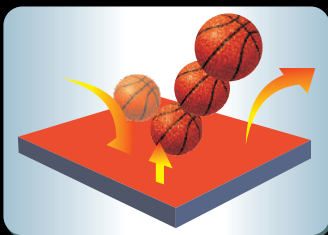


1.5 mtr x 15 mtr. x 5.0 mm



1.5 mtr x 15 mtr. x 8.0 mm

The professional sport flooring with the professional elastic layer which makes the floor reach the extreme elastic



STABLE AND EVENLY REBOUND

Elastic layer and reinforcement layer guarantee the ball bounce rate to 90%. It meets the request of the professional sports for the ball feel. It resolves the problem of soft and unevenly rebound material.



EFFECT OF BUFFER SHOCK ABSORPTION

It especially designed for professional sports. It provides effect on buffer absorption and shock protection.



EXCELLENT ANTI-SLIP

According to the movement of human body mechanics, it designed the reasonable hard coarse surface, surface friction is moderate with elastic and not soft bottom structure. It provides the enough friction when starting turn, jump and sudden stop and it effectively solve the skid phenomenon caused by wet surface and ensure that the foot feels comfortable.



COMFORTABLE DIRECTION OF MOTION

Innovative hard surface layer provides adequate physical base for the stable movement, multi-directional moves & rapid movement needs, the under layer modulus of the elastomer, implement reasonable transition from hard to soft structure, formation hard to play, play and not soft structure of professional sport.

Product Structure

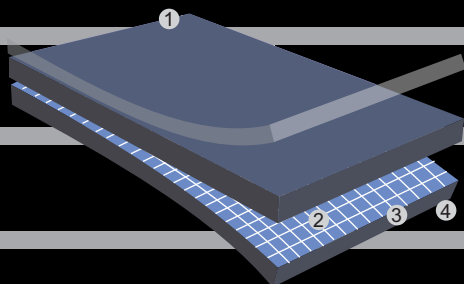
Crystal face layer : OES nanometer super wear-resistant material, anti-slip texture.

Super stable layer : strengthening the fiberglass mesh and enhancing the stability of dimension.

Buffer elastic layer : adopt pure green primary material, enhance resilience and buffer performance.

Special ground grain : absorbs the bottom line, increase the friction with the ground and increases the ground exhaust system.

OUTDOOR SPORTS FLOOR



1

Crystal Layer

2

Super Elastic Layer

3

Special Shading

Number	Items	Unit	Technical requirement	Result	Decision outcomes	
1	Presentation quality	-----	Uniform colour without chromatic aberration, no crack	✓	Qualified	
2	Hardness	Degree	60-85	77	Qualified	
3	Rebound value	%	=7	8	Qualified	
4	Flame retardancy	Rank	I	I	Qualified	
5	Friction coefficient	-----	0.6 - 1.0	0.8	Qualified	
6	Tensile strength	Mpa	=3.0	6.7	Qualified	
7	Elongation at break	%	=150	295	Qualified	
8	Rebound of basketball	%	=90	96	Qualified	
9	Aging test (168 hrs.)	presentation quality	-----	Uniform colour without chromatic aberration, no crack	✓	Qualified
		strength after testing	Mpa	=3.0	6.5	Qualified
		Elongation at break after testing	%	= 100	291	Qualified
10	High temperature (100°C, 24 hrs)	-----	No deformation No chromatic aberration	✓	Qualified	
11	Low temperature (-40°C, 24 hrs)	-----	No deformation No chromatic aberration	✓	Qualified	
12	Impact absorption	%	? 5	8	Qualified	

