

MOLDO


MADE IN INDIA

“Play safe with Innovation”

PRO-FLEX

Multipurpose outdoor-indoor ultra cushion sports flooring



Outdoor XPU sheet cushion sports flooring with flexible hybrid water based PU top layers

VOLLEYBALL • BASKET BALL • BADMINTON • LAWN TENNIS • HANDBALL

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PROFLEX Ultra Cushion Sports Flooring System(XPE Rolls/Sheets)) (Indoor/Outdoor) is an Ultra Cushion sports flooring for Basket Ball ,Volley Ball , Hand Ball , Badminton , Lawn Tennis courts which provide high shock absorbance and highly abrasion resistance in order to provide safe environment for players in order to perform there heart out without any tension for prolong injuries.

Innovative scientific and technological achievements

with strong R& D program for understanding the movement of floor in 2017; three years of development for a compound body mechanics and the needs of sports physical , compatible with characteristics of hydride water born PU and rubber environmental polymer nano material .

Professional spot performance

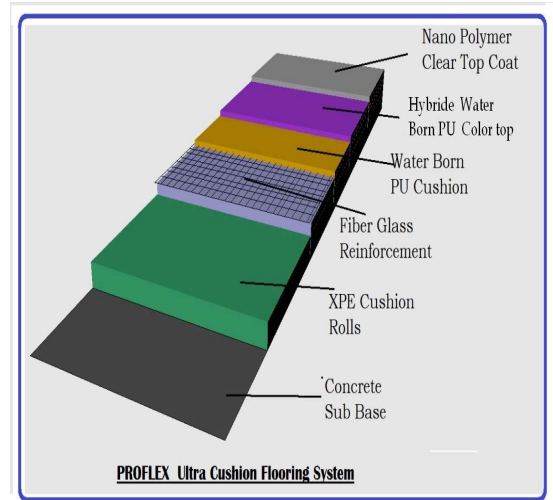
PROFLEX Sports flooring system are made of XPE Rolls /sheet and Hybride water born PU Coating system which good shock absorbency and rebound resilience , because of the stable friction coefficient , the floor can buffer motion impact avoiding injuries to athletes.

Durability

PROFLEX Floor has good temperature resistance , therefore , in the condition of temperature +70 C to -40 C still has quite a good performance . In addition , it has abrasive performance , water -tolrant , skid resistance , aging resistance, UV-resitant etc. Because of good tensile and elongation of this product , gretly improve the life of the floor as the service life expectancy of PROFLEX flooring is about 5 - 10 years



items	unit	Technical requirement	Result	Decision Outcome
Presentation quality	-----	No crack with uniform color without chromatic aberration	✓	Qualified
Hardness	Degree	60 – 85	77	Qualified
Rebound Value	%	=7	7.8	Qualified
Friction coefficient	-----	0.6 - 1.0	0.7	Qualified
Tensile Strength	Mpa	=3.0	5.4	Qualified
Elongation at Break	%	=150	272	Qualified
Rebound of Basketball	%	=90	92	Qualified
Aging Test (168 Hrs) (Presentation quality strength after testing Elongation at break after testing)	-----	No crack with uniform color without chromatic aberration	✓	Qualified
	Mpa		6.5	Qualified
	%		291	Qualified
High Temperature (60 C ,24 hrs)	-----	No deformation , No chromatic aberration	✓	Qualified
Low Temperature (-40 C, 24 Hrs)	-----	No deformation , No chromatic aberration	✓	Qualified
Impact Absorption	%	? 5	7	Qualified



Product Structure

- **Face Layer :** Highly abrasion Resistance Water resistant Nano Polymer Clear top coating
- **Color Layer:** Highly UV resistant hybride Water born PU- Color Layer
- **Cushion Layer :** Colored EPDM Powder based (1.5 mm thick)hybride water born PU Layer
- **Super Stable Layer:** Fiber Glass mesh for enhancing the stability and Strengthening
- **Buffer Elastic Layer :** XPE Cushion Rolls in thickness of 4.5 mm, 7 mm & 8 mm

Total Thickness available : 6 mm , 8.5 mm ,9.5 mm

COLOR SELECTOR



Bottle Green



Royal Blue



Dust Red



Oxy Yellow



Agate Gray



Scottish Blue



Green



Dark Red



Turkish Red



Dark Gray



Dark Blue



Dark Green

Unique technic system to observe impact of high jump

Anti skid • UV resistance • Water impermeable • Ecco Friendly



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