

INTERNATIONAL QUALITY STANDARD

INDOOR AIR QUALITY

EN14904

FLOORSORE

EN14904	DESCRIPTION	STANDARD	REQUIREMENT	UNITS
sports properties	vertical deformation	EN14809	≤ 3.5	mm
	shock absorption (force reduction)	EN14808	≥ 25	%
	friction coefficient	EN 13036-4	80-110	-
technical characteristics	ball bounce	EN 12235	≥ 90	%
	indentation resistance	EN 1516	≤ 0.5	mm
	wheel resistance	EN 1569	≥ 1500	N
	impact resistance	EN 1517	≥ 8	N/m
	abrasion resistance	EN ISO 5470-1	≤ 1000	mg
	gloss	EN ISO 2813	≤ 30	%
	flatness	EN 13036-7	$< 6\text{mm}/3\text{m}$	-
classification	fire rating	EN 13501-1	Cf1-S1	-
	formaldehyde emission	EN 717-1/2	$\geq E1$	-
	pentachlorophenol	EN 12673	< 0.1	%

Compound name	CAS NO.	Allowable value	Standard Classroom Estimated Value	Standard Office Estimated Value	UNITS
noname	111-84-2	-	< 20	< 20	$\mu\text{g}/\text{m}^3$
decNE	124-18-5	-	< 40	< 40	$\mu\text{g}/\text{m}^3$
n-hendecane	1120-21-4	-	< 20	< 20	$\mu\text{g}/\text{m}^3$
phenol	108-95-2	100	pass	pass	$\mu\text{g}/\text{m}^3$
2-(2-methoxyethoxy) ethanol	111-77-3	-	< 20	< 20	$\mu\text{g}/\text{m}^3$
butyldiglycol	112-34-5	-	< 10	< 10	$\mu\text{g}/\text{m}^3$
formaldehyde	50-00-0	9	pass	pass	$\mu\text{g}/\text{m}^3$
acetaldehyde	75-07-0	70	pass	pass	$\mu\text{g}/\text{m}^3$
unidentified compound	-	-	< 150	< 150	$\mu\text{g}/\text{m}^3$
TVOC	-	-	< 350	< 350	$\mu\text{g}/\text{m}^3$

Indoor air quality is the Key factors for judging PVC sports floor.
FLOORSORE is the most authoritative indoor air quality standard.

International Sports Association Certification



APPROVED BY
INTERNATIONAL TABLE TENNIS FEDERATION



APPROVED BY
BADMINTON WORLD FEDERATION

International Quality System Certification



INDOOR AIR QUALITY CERTIFICATION
FOR FLOORING



CONFORMITE
EUROPEENNE

LABOSPORT SPORT SURFACING TESTING AND ANALYSIS

Table Tennis Flooring Colours



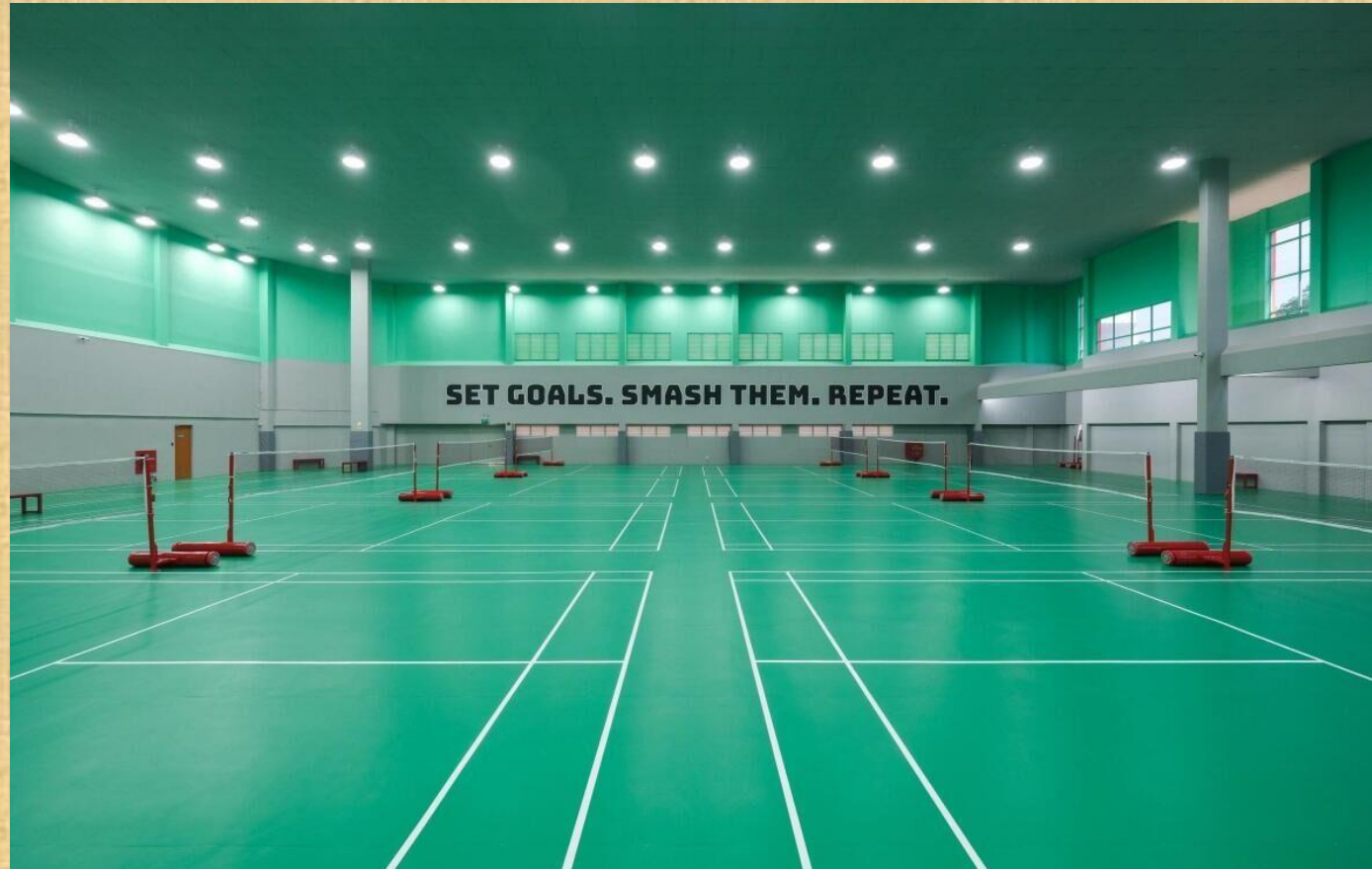
Badminton Flooring Colours



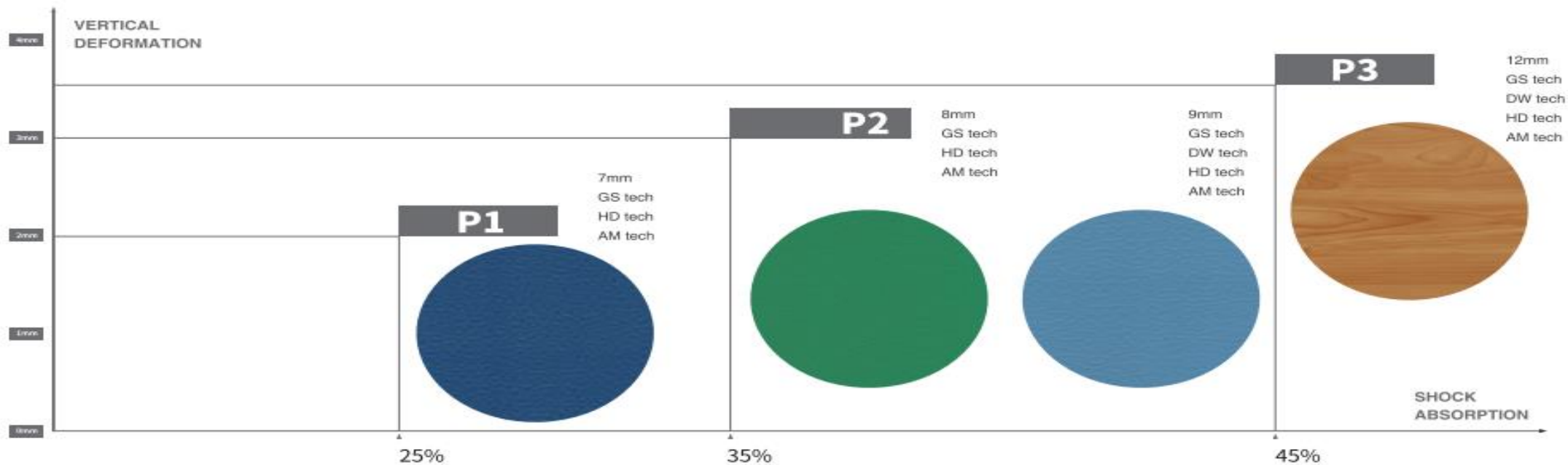
RE4.5/4.5mm



BK85502/5.5mm



MULTIPURPOSE FLOORING



P1,P2,P3:PVC sports flooring shock absorption classes as per the European standard.

APPLICATIONS

① TODDLERS(0-6YEARS OLD)	① ★★★	① ★★★★★	① ★★★★★	① ★★★★★★
② EDUCATION	② ★★★★★	② ★★★★★	② ★★★★★	② ★★★★★★
③ LUBS/COMPETITIONS	③ ★★★	③ ★★★★★★	③ ★★★★★★	③ ★★★★★★
④ ADULTS/SENIORS/LEISURE	④ ★★★★★	④ ★★★★★	④ ★★★★★	④ ★★★★★★
⑤ MULTIPURPOSE	⑤ ★★★★★★	⑤ ★★★★★	⑤ ★★★★★	⑤ ★★★



Multipurpose flooring colours



9183 Dark red



9570 Green



9758 Light grey



8105 Maple



8106 Oak



8107 Walnut



9445 Light blue



9146 Pink



9431 Ocean blue



8108 Teak



8109 Blue wood



9134 Orange




9430 Dark blue



9432 Dark grey



9433 Black

ITEM	STANDARD	REQUIREMENT	TableTennis		Badminton		Multipurpose			
			SU5.0	BK5081	RE4.5	BK85502	M-7	M-8	M-9	M-12
STRUCTURAL PARAMETERS										
Thickness	EN428	mm	5.0	7.0	4.5	5.5	7.0	8.0	9.0	12
Weight	EN426	m	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Length	EN426	m	15/20	15/20	15	15	15/20	15/20	15	15
SPORT PROPERTIES										
Shock Absorption	EN14808	≥20	≤25	≥25	≤25	≤25	P1	P2	P2	P3
Vertical Deformation	EN14809	≤5mm	≤2	≤2	≤2	≤2	≤2	≤2	≤2	≤2
Sliding Coefficient	EN13036-4	80-110	80-110	80-110	80-110	80-110	80-110	80-110	80-110	80-110
Ball Bounce	EN12235	≥90	≥90	≥90	≥90	≥90	≥90	≥90	≥90	≥90
TECHNICAL CHARACTERISTICS										
Abrasion Resistance	ENIS05470-1	≤1000mg	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
Impact Resistance	EN1517	≥8N/m	≥8	≥8	≥8	≥8	≥8	≥8	≥8	≥8
Indentation Resistance	EN1516	≤0.5mm	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.25	≤0.25
Environmental protection characteristics										
TVOC (96 hours)	ASTM standard D5116- 06&ISO16000- 9:2011	<912ug/m³	≤350	≤350	≤350	≤350	≤350	≤350	≤350	≤350
CLASSIFICATION										
FIRE	EN13501-1	-	Cfl-s1	Cfl-s1	Cfl-s1	Cfl-s1	Cfl-s1	Cfl-s1	Cfl-s1	Cfl-s1
CE MARKING										
	-	-	