

POWERPLAY PRO

Prefabricated loose-laid sports floor with rubber surface for indoor use, consisting of three different layers joint together in a constant **total thickness of 7,5 mm**, supplied in rolls of 186 cm width.

The 2,5 mm top layer is made of calendred and vulcanized rubber and is composed of a 1 mm thickness wear layer, mass-coloured with solid colour or tone-on-tone marbled effect, vulcanized to a load-bearing substrate that is free from organic pigments and contains up to 20% of recycled materials.

The bottom layer is a stabilizing and shock-absorbing underlayment with a thickness of about 5 mm, composed of a closed cell expanded PVC foam reinforced with fibreglass, with density and hardness specially modulated to guarantee shock absorption, energy return, elasticity and sound insulation properties. The underside in contact with the ground is lightly textured with small embossed stems that further improve the stability.

The non-porous, smooth, matt and anti-glare surface has a surface hardness of no less than 85 Shore A, according to ISO 7619-1, which allows intensive use of the product and guarantees reduced accumulation of dirt and good adhesion of the most common marking paints and protective coatings.

The surface also has excellent natural antibacterial characteristics, without the addition of biocidal ingredients inside the product: in tests carried out according to ISO 22196, the killing of inoculated bacteria exceeds 99,999% in 24 hours, with an antimicrobial activity factor "R" greater than 5.

The multi-layer composition, in addition to performance, guarantees the dimensional stability necessary for loose-laid installation, i.e. without the need for it to be glued to the ground, facilitating the installation process and significantly extending the life of the product.

This product is ideal for a multisport indoor hall where different indoor sport competitions are held, such of basketball, handball, volleyball, badminton or futsal.

This product has been certified to be in compliance with European Standards EN 14904 ("Surfaces for sports areas - Multi-sports floor systems for indoor use", Shock absorption $\geq 25\%$, Class P1) including Declaration Of Performance (DoP, CE marking) and it is rated Euroclass Cfl-s1 in accordance with EN 13501.

This product has been certified in compliance with the following schemes and standards for Indoor Air Quality programs (VOC, Volatile Organic Compounds emissions):

- French scope (2011-321): Class A+.
- Italian regulation CAM (Minimum Environmental Criteria) following D.M. 11/01/2017.

This product has been rated "Non Hazardous" by external laboratory in accordance with the European Waste Catalogue. This means that it does not present a subrisk to public health or cause adverse effects on the environment.

This article is produced in compliance with the European Regulation REACH (Registration, Evaluation, Authorization and Restriction of Chemicals).

This product is designed and manufactured according to UNI EN ISO 9001 certification.

This color range is to be used as a guideline only.

This product can be installed loose-laid without adhesive onto the concrete subfloor or simply with the use of adhesive tapes for temporary events, thanks to the excellent dimensional stability.

The product must be stored and installed in appropriate conditions, including suitable protected premises at guaranteed minimum and maximum temperatures and humidity, as fully described in MONDO's *Storage and Installation Instructions*.

The product must be used and maintained following the premises described in MONDO's *Use and Maintenance Instructions*.



Thickness Length Width Weight

7,5 mm 15 m 186 cm 6,6 kg/m²

For additional product information, please refer to the Technical Data Sheet.

POWERPLAY PRO - Technical Data

GENERAL PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS EN 14904:2006	RESULTS
Total thickness	EN ISO 24346	mm	-	7,5
Mass per unit area	EN ISO 23997	g/m ²	-	6600
Rolls width	EN ISO 24341	cm	-	186
Rolls length	EN ISO 24341	m	-	15
SPORT PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS EN 14904:2006	RESULTS
Slip resistance	EN 13036-4	-	80 ÷ 110	90
Shock absorption	EN 14808	%	25 ÷ 75	29
Vertical deformation	EN 14809	mm	≤ 5	0,8
Vertical ball behaviour	EN 12235	%	≥ 90	97
TECHNICAL PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS EN 14904:2006	RESULTS
Rolling load behaviour (1500 N)	EN 1569	mm	≤ 0,5	0,5 (no damage)
Resistance to wear	EN ISO 5470-1 (H18, 1 kg/wheel, 1000 cycles)	mg	≤ 1000	in conformity
Fire classification	EN 13501-1	class	-	CLASS C _{fl} - s1 with or without adhesive
Specular gloss	EN ISO 2813	%	≤ 30	in conformity
Resistance to indentation	EN 1516	mm	≤ 0,5	0,5 (no damage)
Resistance to impact (mass 800 g; height 1 m)	EN 1517	mm	Absence of perceivable cracking, splitting, delamination; permanent indentation 0,5 mm	in conformity
Hardness of wear layer	ISO 48-4	Shore A	-	85
OPTIONAL PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS EN 14904:2006	RESULTS
Improvement in footfall sound absorption	ISO 10140-3/717-2	dB	-	18
Dimensional stability	EN ISO 23997	%	-	no appreciable variation
Thermal resistance	EN 12667	m ² K/W	-	0,098
Thermal conductivity	EN 12667	W/mK	-	0,077
Reduction of bacterial activity	ISO 22196	%	-	> 99,999 (E. Coli) > 99,999 (S. Aureus)
Antibacterial activity	ISO 22196	R	-	5,77 (E. Coli) 5,49 (S. Aureus)