

## POWERPLAY

Prefabricated sports floor for indoor use consisting of natural and synthetic rubber, calendered and vulcanized, with a total constant thickness of 3 mm, supplied in rolls of 190 cm width.

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

The product contains at least 5% of contaminant-free recycled materials, and about 10% of rapidly renewable materials. The biobased carbon content is approximately 25% of the total carbon footprint (certification according to ASTM D6866-21, Method B).

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 product has been certified in compliance with International schemes and standards for Indoor Air Quality programs (VOC, Volatile Organic Compounds emissions) like Greenguard, Greenguard Gold (UL Certification Program) and Environmental Product Declaration (EPD).

Thanks to its excellent dimensional stability, the floor does not require any type of joining element or welding rod.

This product is ideal for a multipurpose indoor hall where amatorial indoor sport activities are held, such of basketball, handball, volleyball, badminton or futsal, or for ancillary areas.

This product has been certified to be in compliance with European Standards EN 14041 including Declaration Of Performance (DoP, CE marking) and it is rated Euroclass Bfl-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):

- Greenguard and Greenguard Gold (UL Certification Program).
- French scope (2011-321): Class A+.
- Italian regulation CAM (Minimum Environmental Criteria) following D.M. 11/01/2017.
- Environmental Product Declaration (EPD).

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.

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

3 mm 18 m 190 cm 5,1 kg/m<sup>2</sup>

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



EN 14041



## POWERPLAY - Technical Data

GENERAL PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS	RESULTS
Total thickness	EN ISO 24346	mm	2,85 ÷ 3,15	3,0
Thickness of wear layer	EN ISO 24340	mm	0,85 ÷ 1,15	1,0
Mass per unit area	EN ISO 23997	g/m <sup>2</sup>	-	5100
Rolls width	EN ISO 24341	cm	nominal value	190
Rolls length	EN ISO 24341	m	nominal value	18
SPORT PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS	RESULTS
Slip resistance	EN 13036-4	-	-	90
Shock absorption	EN 14808	%	-	5
Vertical deformation	EN 14809	mm	-	0,2
Vertical ball behaviour	EN 12235	%	-	98
TECHNICAL PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS	RESULTS
Hardness	ISO 48-4	Shore A	≥ 75	85
Residual indentation (after static loading)	EN ISO 24343-1	mm	≤ 0,20	0,15
Flexibility (method A)	EN ISO 24344 method A	-	no fissuring	no fissuring
Abrasion resistance	ISO 4649 method A vertical load 5 N	mm <sup>3</sup>	≤ 250	150
Colour fastness to artificial light	ISO 105 -B02 method 3	grade	blu scale 6 grey scale 3	in conformity
Effect of castor chair	EN ISO 4918	-	no surface change except dullness	suitable with wheels type W
Classification	EN ISO 10874	class	-	21-23/31-34/41-43
Fire classification	EN 13501-1	class	-	CLASS B <sub>fl</sub> - s1 with or without adhesive
Dynamic coefficient of friction	EN 13893	-	≥ 0,3	in conformity
Electrostatic Charge	EN 1815	kV	< 2 (antistatic)	in conformity
Electrical resistance (R1)	EN 1081	Ohm	-	10 <sup>10</sup>
Resistance to burning cigarette	EN 1399	class	method A 4 method B 3	method A 4 method B 3
Rolling load behaviour (1500 N)	EN 1569	mm	-	0,5 (no damage)
Resistance to wear	EN ISO 5470-1 (H18, 1 kg/wheel, 1000 cycles)	mg	-	1000
Specular gloss	EN ISO 2813	%	-	20
Resistance to indentation	EN 1516	mm	-	0,03
Resistance to impact (mass 800 g; height 1 m)	EN 1517	mm	-	Absence of perceivable cracking, splitting, delamination; permanent indentation 0,5 mm
OPTIONAL PROPERTIES	STANDARD	UNIT OF MEASURE	REQUIREMENTS	RESULTS
Dimensional stability	EN ISO 23999	%	≤ 0,4	0,3
Thermal conductivity	EN 12667	W/mK	-	0,32
Thermal resistance	EN 12667	m <sup>2</sup> K/W	-	0,009
Improvement in footfall sound absorption	ISO 10140-3/717-2	dB	-	10
Stain resistance	EN ISO 26987	-	-	no surface change (*)
Volatile Organic Compounds (VOC) French Decret 2011-321	ISO 16000	class	manifold	CLASS A+
Reduction of bacterial activity	ISO 22196	%	-	> 99,999 (E. Coli) > 99,999 (S. Aureus)
Antibacterial activity	ISO 22196	R	-	> 5 (E. Coli) > 5 (S. Aureus)

(\*) when tested by means of detergents specifically used for rubber