



Pulastic Elite Performance 90 Eco

A multi-purpose sports floor providing outstanding comfort and safety for training and competition combined with excellent resistance to mechanical loads.

Nominal thickness	44 mm
Character	Combi-Elastic
Classification	C4 according EN 14904

System Data Sheet
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Elite Performance 90 Eco



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Pulastic Elite Performance 90 Eco

Seamless combi-elastic floor covering for multi-purpose gymnasias and sports halls

Product Description

Pulastic Elite Performance 90 Eco is a combi-elastic multi-purpose sports floor with outstanding comfort properties very suitable for training and competition sports, combined with excellent resistance to mechanical loads.

Pulastic Elite Performance 90 Eco is approved according the **EN 14904** standard in category C4 and the N.O.C.*N.S.F. Class 1 (Dutch Olympic Committee).

Pulastic Elite Performance 90 Eco is approved by the **F.I.V.B.** (International Volleyball Federation), **F.I.B.A.** (International Basketball Federation) and **I.H.F.** (International Handball Federation).

Pulastic Elite Performance 90 Eco is manufactured under **ISO 9001** for quality control and **ISO 14001** for environmental care.

Uses

- ▲ Indoor
- ▲ Training and competition of all common international ball games
- ▲ Physical education
- ▲ Cultural events, exams, exhibitions and some non-athletic activities.

Characteristics / Advantages

- ▲ Outstanding resiliency for comfort and injury prevention
- ▲ Seamless, non-porous and smooth surface for easy maintenance, repair and resurface procedures
- ▲ Sustainability through high content of recycled and renewable raw materials in combination with lasting performance through outstanding mechanical strength and wear resistance
- ▲ Water based finish for very low odour during installation and maximum indoor clean air protection during use
- ▲ Excellent mechanical strength and wear resistance for minimum life cycle cost and maximum usability (return on investment)
- ▲ Excellent ball bounce
- ▲ Wide colour selection with outstanding colour fastness
- ▲ No glare for clear visibility of the durable line marking
- ▲ Limited elevation level
- ▲ Use on level subfloor according to EN 14904



Product Data

Colours	16 Classic colours and 16 Design colours as per manufacturers colour brochure.		
Technical Data / System	Nominal thickness	44 mm	
	Shock absorption	60%	EN 14808
	Vertical Deformation	3,3 mm	EN 14809
	Vertical Deformation Top Layer	1,2 mm	EN 14809
	Linear Friction (dry)	98	EN 13036-4
	Linear Friction (damp)	0,30	Leroux
	Ball Bounce	91%	EN 12235
	Gloss	3%	EN 2813
	Resistance to rolling load	≥ 1500 N	EN 1569
	Resistance to impact	≥ 800 gr @ 10°C	EN 1517
		≥ 1200 gr @ 17°C	EN 1517
	Resistance to indentation	0,08 mm @ 5 min	EN 1516
		0,00 mm @ 24 hrs	EN 1516
	Resistance to wear	150 mg	EN ISO 2813
	Flammability	B _{fl} -S ₂	EN 13501-1
Technical Data / Components	V.O.C. content – adhesive	Solvent free	
	V.O.C. content – finish	0,01 gr/lit (EU)	2004/42/EG
		45 gr/lit (US)	ASTM D 3960
	Resin composition	Free of solvents and heavy metals	
	Elongation at break – structure	200%	DIN 53455
	Tensile strength – structure	10 N/mm ²	DIN 53455
	Tear strength – structure	25 N/mm	DIN 53515
Installation Conditions / Limitations	Installation shall be carried out corresponding to manufacturers installation instructions, by a manufacturer trained installer.		
	The subfloor shall correspond to manufacturers document “requirements prior to the installation of a Pulastic sports floor”.		
Cleaning / Maintenance	The instructions for pre-treatment and cleaning corresponding to manufacturers document “Initial use and general maintenance tips for your Pulastic sports floor” shall be carried out to promote hygiene and assure that the floor retains its matt appearance and proper grip/sliding characteristics. This improves safety and enhances sport performance.		
Value Base	All technical data stated in this System Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.		



Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Descol products, are given in good faith based on Descol's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Descol's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Descol reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

CE Labelling

The harmonized European Standard EN 14904 "Surfaces for sports areas – Indoor surfaces for multi-sports use" specifies requirements for multi-purpose indoor sports surfaces.

Seamless resin floor systems fall under this specification. They have to be CE-labelled as per Annex ZA.3, Figure ZA.1 and fulfill the requirements of the given mandate of the Construction Products Directive (89/106).

CE

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EN 14904

Pulastic Elite Performance 90 Eco: Seamless polyurethane floor covering, for use in gymnasia and sports halls.

Reaction to fire: Class B_{fl}-S₂

Friction: 98 (EN 13036-4)

Shock absorbency: 60% (EN 14808)

Formaldehyde emission: Class E1

