

1. Manufacturer

KING ARTHUR INDUSTRIES CO., LTD.

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2. Product name

OSSTRAX-Elite

2.1 Product description

2.1.a Prefabricated synthetic athletic track surface vulcanized in two layers construction consists of EPDM, Mineral fillers, stabilizing agents, color pigments, none permeable, textured wear resistant surface layer and waffle like shock absorbing layer bonded by vulcanization.

2.1.b Color : 8 standard colors (see catalogue) .

2.1.c Thickness : 8mm, 10mm, 13.5mm (WA certified track surface)

2.1.d Finish : Track embossing.

2.1.d Dimensions : in Roll : Width. 100cm to 140cm (3' 4" to 4'7.")
Length 6M to 15M (19'8" to 49'2.6")

2.2 Product properties

			Thickness		
Test items	Test Methods	Requirements	8mm	10mm	13.5mm
Elongation at break	ASTM D412	≥40%	≥190%	≥190%	≥190%
Tensile Strength	ASTM D412	≥75psi	≥120psi	≥120psi	≥120psi
Hardness of wear layer	ASTM D2240	**	43(±3)	45(±3)	45(±3)
Hardness of backing	ASTM D2240	**	33(±3)	32(±3)	32(±3)
Abrasion resistance (H18,1KG,1000cycles)	ASTMD3389	≤2.0g	≤1.2g	≤1.2g	≤1.2g
Resistance of Chemicals	ASTMF925	≤Slight Change	No change	No change	No change
Color Heat stability	ASTMF1514	≤8.0ΔE	0.61	0.61	0.61
Color Light stability	ASTMF1515	≤8.0ΔE	1.74	1.74	1.74
Shock Absorption	WA (EN14808)	35~50%	25(±3)	30(±3)	39(±3)
Vertical deformation	WA (EN14809)	0.6~2.5mm	1.3(±0.3)	1.6(±0.3)	2.2(±0.3)
Friction (Dry)	WA (EN13036-4)	≥80	≥100	≥100	≥100
(Wet)		≥47	≥47	≥47	≥47
Elongation at break	WA (EN12230)	≥40%	≥190%	≥190%	≥190%
Tensile Strength	WA (EN12230)	≥0.4Mpa	≥0.8	≥0.8	≥0.8
REACH SVHC items	REACH	Not detected	Not detected		
Sum of 18 PAHs (Polycyclic Aromatic Hydrocarbons)	Af PS GS 2014:01	Not detected	Not detected		

Results obtained from manufacturing controls can vary between production lots and don't constitute representations or warranties as to any particular product lot. KING ARTHUR COMPANY keeps the right to modify the characteristics of the products anytime.

3. Adhesive

Adhesive: Two component polyurethane-epoxy glue.

***Please contact the glue manufacturer for product recommendation based on project location.**

4. Delivery and Storage

4.1 The general contractor shall provide a secure, clean and dry storage location, which is protected from exposure to harmful weather conditions at 65 to 104 degrees F (18 to 40 degrees °C).

4.2 Store sports flooring rolls in original wrappings, and label intact until time of installation.

4.3 Keep the rolls are well positioned in an upright position with pallet, and don't stack anything on top includes stack rolls on top of each other.

5. References

5.1 Association(s)

WA (World Athletics)

5.2 ASTM International (ASTM)

ASTM D412: Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension.

ASTM D2240: Standard Test Method for Rubber Property (Durometer Hardness).

ASTM D3389: Standard Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader).

ASTM F925: Standard Test Method for Resistance to Chemicals of Resilient Flooring.

ASTM F1514: Standard Test method for Measuring Heat Stability of Resilient Flooring by Color Change.

ASTM F1515: Standard Test Method for Measuring Light Stability of Resilient Flooring by Color Change.

5.3 European Committee for Standardization (EN)

EN 13036-4: Road and airfield surface characteristics. Test methods -the pendulum test for friction.

EN 14808: Surfaces for sports areas. Determination of shock absorption.

EN 14809: Surfaces for sports areas. Determination of vertical deformation.

EN 12235: Surfaces for sports areas - Determination of vertical ball behavior

5.4 GREENGUARD Environmental Institute (GEI)

GREENGUARD Certification: Compliant with stringent emission levels for over 360 VOCs, plus a limit on the total of all chemical emissions combined (TVOC).

GREENGUARD Gold Certification: Compliant with safety factors to account for sensitive individuals (such as children and the elderly) and ensure that a product is acceptable for use in environments such as schools and healthcare facilities.

5.5 REACH:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing. European Chemicals Agency.

5.6 SVHC:

Candidate List of substances of very high concern for Authorization (published in accordance with Article 59(10) of the REACH Regulation)