

1. Manufacturer

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2. Product name

OSSTRAX

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, 13mm (WA certified track surface)
- 2.1.d Finish : Track embossing.
- **2.1.e** Dimensions : in Roll : Width.
 - Length

ASTM E648

Af PS GS

2014:01

100cm to 140cm (3' 4" to 4'7.") 6M to 15M

(19'8" to 49'2.6")

Thickness

Compliant

Not detected

Test Methods Test items Requirements 8mm 10mm 13mm Elongation at break ASTM D412 ≧210% ≧40% ≥210% ≥210% **Tensile Strength** ASTM D412 ≧75psi ≧120psi ≥120psi ≥120psi ** Hardness of wear layer **ASTM D2240** 53±5 53±5 53±5 ** 35±5 35±5 35±5 ASTM D2240 Hardness of backing Abrasion resistance ASTMD3389 ≤2.0g ≤1.5g ≤1.5g ≤1.5g (H18,1KG,1000cycles) **Resistance of Chemicals** ASTMF925 ≤Slight Change No change No change No change Color Heat stability ASTMF1514 ≤8.0∆E 0.61 0.61 0.61 ≤8.0∧E ASTMF1515 1.74 1.74 1.74 Color Light stability 23(±3) 38(±3) Shock Absorption **ASTM F2569** >10% 28±3 1.3(±0.3) 1.4(±0.3) 1.7(±0.3) Vertical deformation **ASTM F2157** <3.5mm ASTM E303 80~110 ≥105 ≥105 ≥105 Friction (Dry) Not differ more ** ** Spike resistance EN14810 ≤20%**∆Tr%** -Tensile strength than 20% ≤20%∆Eb% - Elongation ** World Athletics certified WA Compliant ** Certified surface **REACH SVHC items** REACH Compliant Compliant **GREENGUARD** Certification GREENGUARD Compliant Compliant **GREENGUARD** Gold GREENGUARD Compliant Compliant

≥0.1w/cm2

Not detected

2.2. Product properties

Critical Radiant Flux

(Polycyclic Aromatic

Sum of 18 PAHs

Hydrocarbons)

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.

ASTM F2772: Standard Specification for Athletic Performance Properties of Indoor Sports Floor Systems.

ASTM F2157: Standard Specification for Synthetic Surfaced Running Tracks

ASTM F2117: Standard Test Method for Vertical Rebound Characteristics of Sports Surface

ASTM E303: Standard Test Method for Measuring Surface Frictional Properties

ASTM F2569: Standard Test Method for Evaluating the Force Reduction Properties of Surfaces for Athletic ASTM E648: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant

Heat Energy Source.

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)