



FIFA LABORATORY TEST REPORT

TM Football Turf | 2015
01.01.2015

Product	ZEUS GRASS
FIFA Licensee	Ekip Spor Ekipmanlari Insaat Sanayi Ve Ticaret Lim
Test Institute	Labosport Italia S.r.l.
Test Number	127358
External Test Number	22-0692IT
Date of Test	02.11.2022
Test Result	Passed
Quality Level	FIFA Quality & Quality PRO
Test Type	Initial



Licensee

Main Address

Name	Ekip Spor Ekipmanlari Insaat Sanayi Ve Ticaret Lim
Address	Ramazanoglu Mahallesi 12 Sultan Sokak, Pendik
ZIP / City	34893 / Istanbul
Website	
Contact Email	
Contact Phone	


Test institute

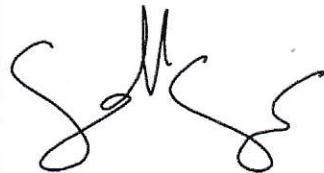
Main Address

Name	Labosport Italia S.r.l.
Address	Labosport Italia S.r.l. Via Monza, 80
ZIP / City	23870 / CERNUSCO LOMBARDONE
Website	www.labosport.com
Contact Email	labosport@labosport.it
Contact Phone	+39/ 039 896 26 84



Approval

Test Institute Director	Roberto Armeni
Signature	
Date	04.11.2022

Test Institute Engineer	Gabriele Greco
Signature	
Date	04.11.2022



1 – Test Results

Name	Comment	Result
1 - Summary		
Vertical ball rebound FIFA Quality		Passed
Vertical ball rebound FIFA Quality Pro		Passed
Angle ball rebound FIFA Quality		Passed
Angle ball rebound FIFA Quality Pro		Passed
Reduced ball roll FIFA Quality		Passed
Reduced ball roll FIFA Quality Pro		Passed
Shock absorption FIFA Quality		Passed
Shock absorption FIFA Quality Pro		Passed
Deformation FIFA Quality		Passed
Deformation FIFA Quality Pro		Passed
Rotational resistance FIFA Quality		Passed
Rotational resistance FIFA Quality Pro		Passed
Skin / surface friction		Passed
Skin abrasion		Passed
1 - Test Details Object		
Product Name		ZEUS GRASS
Product ID		ZEUS GRASS
Synthetic Turf System		-
Performance infill		SBR
Stabilising infill		SILICA SAND
Shock-pad or elastic layer		-
Sub-base composition		SILICA SAND
2 - Test Details Test Institute		
Date(s) of test		02.11.2022
Report created by		Gabriele Greco
Laboratory Test report number		22-0692IT



Name	Comment	Result
Test Institute Project number		22-0692IT
3 - Product Declaration (Manufacturer)		
Manufacturer		EKİPSPOR EKİPMANLARI İNŞAAT SANAYİ TİCARET LTD. ŞTİ.
Tuft pattern		STRAIGHT
Yarn manufacturer yarn 1		GÜLSAN SENTETİK DOKUMA SANAYİ VE TİCARET A.Ş.
Product name, code yarn 1		GLS SP20 9302-1
Detailed tuft decitex (Dtex) [g/10000m]		12000
Pile yarn profile yarn 1		SPINE
Pile thickness (µ m) yarn 1		300.0
Pile colour (RAL) value 1 yarn 1		6003
Pile colour (RAL) value 2 yarn 1		-
Pile colour (RAL) value 3 yarn 1		-
Pile width (mm) yarn 1		1.40
Number of tufts/m2 yarn 1	ISO1773	9600.00
Pile length (mm) yarn 1	ISO 2549	57.50
Pile weight (g/m2) yarn 1	ISO 8543	725.00
Pile yarn characterization yarn 1		PE
Pile yarn dtex yarn 1		6000
Yarn manufacturer yarn 2		GÜLSAN SENTETİK DOKUMA SANAYİ VE TİCARET A.Ş.
Product name, code yarn 2		GLS SP20 9502-1
Pile yarn profile yarn 2		SPINE
Pile thickness (µ m) yarn 2		300.0
Pile colour (RAL) value 1 yarn 2		6025
Pile colour (RAL) value 2 yarn 2		-
Pile colour (RAL) value 3 yarn 2		-



Name	Comment	Result
Pile width (mm) yarn 2		1.40
Number of tufts/m ² yarn 2	ISO1773	9600.00
Pile length (mm) yarn 2	ISO 2549	57.50
Pile weight (g/m ²) yarn 2	ISO 8543	725.00
Pile yarn characterization yarn 2		PE
Pile yarn dtex yarn 2	-	6000.0
Yarn manufacturer yarn 3		-
Product name, code yarn 3		-
Pile yarn profile yarn 3		-
Pile thickness (μm) yarn 3		0.0
Pile colour (RAL) value 1 yarn 3		-
Pile colour (RAL) value 2 yarn 3		-
Pile colour (RAL) value 3 yarn 3		-
Pile width (mm) yarn 3		0.00
Number of tufts/m ² yarn 3	ISO1773	0.00
Pile length (mm) yarn 3	ISO 2549	0.00
Pile weight (g/m ²) yarn 3	ISO 8543	0.00
Pile yarn characterization yarn 3		-
Pile yarn dtex yarn 3		0.0
Primary backing Product name, code		K16
Primary backing Manufacturer		NEO BACKİNG TEKSTİL SAN VE TİC LTD.ŞTİ
Re-enforcement scrim Product name, code		-
Re-enforcement scrim Manufacturer		-



Name	Comment	Result
Secondary backing Product name, code		SBR LATEKS
Secondary backing Manufacturer		EOC - BELGIUM
Secondary backing Dry application rate (g/m ²)		1100.0
Carpet Minimum tuft withdrawal force (N)	-	>40N
Carpet Carpet mass per unit area [g/m ²]		2700.0
Method of jointing		Bonded joints
Bonded joints Adhesive brand name		EKİP SPOR KN 70
Bonded joints Adhesive manufacturer		EKİP SPOR EKİPMANLARI İNŞAAT SANAYİ TİCARET LTD. ŞTİ.
Bonded joints Application rate (g/m)		160
Bonded joints Jointing film brand name		PVC BAND
Bonded joints Jointing film manufacturer		SERTA TEKSTİL ÜRÜNLERİ SANAYİ VE PAZARLAMA LTD. ŞTİ.
Stitched seams Tread brand name/product code		-
Stitched seams Tread manufacturer		-
Stitched seams Stitch rate (stitch per 1m)		0.000
Performance Infill Product name, code		EKİPFLEX GRANUL
Performance Infill Manufacturer		Ekip Spor Ekipmanlari İnşaat Sanayi Ticaret Ltd. Şti.
Performance Infill Material grading		1,00 - 3,15
Performance Infill Particle shape	prEN 14955	Angular - A2



Name	Comment	Result
Performance Infill Particle size range	EN 933-Part 1	1,00 - 3,15
Performance Infill Bulk density (g/cm3)	EN 1097-3	0.460
Performance Infill Application rate (kg/m2)		18.5
Stabilising Infill Product name, code		SILICA SAND
Stabilising Infill Manufacturer		KUMSAY MADENCİLİK AND ESFA FARES KUM
Stabilising Infill Material type		SILICA
Stabilising Infill Material grading		0,315 - 0,8
Stabilising Infill Particle shape	prEN 14955	Round high sphericity – C1
Stabilising Infill Particle size range	EN 933-Part 1	0,315 - 0,8
Stabilising Infill Bulk density (g/cm3)	EN 1097-3	1.50
Stabilising Infill Application rate (kg/m2)		15.0
Shockpad, E-layer Product name, code		-
Shockpad, E-layer Manufacturer		-
Shockpad, E-layer Composition		-
Shockpad, E-layer Bulk density (g/cm3)		0.00
Shockpad, E-layer Thickness	EN 1969	0.0
Shockpad, E-layer Shock absorption (%)	FIFA 4a	0.0
Shockpad, E-layer Deformation	FIFA 5a	0.0
Shockpad, E-layer Tensile strength (MPa)		0.00
Shockpad, E-layer Mass per unit area (kg/m2)		0.0
Other, detail		-
3 – Test Results Player / Surface Interaction		



FIELD CERTIFICATE

Izmir Kemalpaşa İlçe Futbol Sahası

FIFA is pleased to confirm that the football turf system

ZEUS GRASS

has been installed by

Ekip Spor Ekipmanlari Insaat Sanayi Ve Ticaret Lim

at

Izmir Kemalpaşa İlçe Futbol Sahası - Kemalpaşa İlçe Stadı - İzmir (Turkey)

The installation has been tested and certified to the

"FIFA QUALITY PROGRAMME FOR FOOTBALL TURF – FIFA QUALITY" standard.

Validity Period: **15.08.2023** to **14.08.2026**

Field No.: **1016878**

Re-Test Number: **0**

TM Football Turf | 2015

Gianni Infantino
FIFA President

Zurich, 16.08.2023

[Football-Technology.FIFA.com](https://www.fifa.com/football-technology)

