

# Field Test Report – One Star Category



## Information for applicants

The applicant should complete Section One of this report before sending it to their appointed FIFA accredited test laboratory. The test laboratory will then arrange a suitable date to undertake the field tests.

A FIFA field test also includes a series of laboratory tests to verify the installed materials are the same (within stated tolerances) to those tested previously in the laboratory. To enable these tests to be completed the test laboratory will need the following samples:

- sample of artificial turf measuring at least 1m by 1m
- 5kg each of all infill materials (performance and stabilising)

On receipt of the samples at the laboratory they need to be conditioned prior to test. Applicants are advised that the laboratory tests will normally take at least ten working days to complete.

On any field incorporating a shockpad or e-layer the FIFA field test includes measurements of shock absorption and thickness on the shock pad. The applicant is required to ensure the test laboratory is able to access the shockpad in each corner of the field to enable these tests to be made. The applicant also has responsibility for ensuring the installation of the shockpad in the four test positions is representative of the whole field.

On completion of the test programme the test laboratory will send the completed report directly to FIFA Marketing AG.

Note:

It is recommended that the foundation of a field is checked for surface regularity, stability and permeability and any shockpad is checked for surface regularity, thickness and shock absorption before the installation of synthetic surfacing commences.

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## Section 1: Site and applicant details

Type of test	INITIAL		
Stadium or site name			
Address			
Stadium or site contact			
Tel.			
Email			
Surface name			
Product code			
Date pitch installed			
Applicant			
Address			
Applicant contact			
Tel.			
E-mail			
Signature		Date	

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## Section 2: Summary of results

<b>Field Passed</b>	o		<b>Field failed</b>	o				
Criteria that failed (if any):								
Ball / Surface interaction	o	Vertical ball rebound	o	Ball roll				
	o	Angle ball rebound						
Player / Surface interaction	o	Shock absorbency	o	Deformation				
	o	Rotational resistance	o	Stud slide value				
	o	Stud deceleration value						
Construction Requirements	o	Slope	o	Regularity				
	o	Permeability	o	Consistency of site and laboratory materials				
Signature				Date				
Test laboratory								
Test laboratory project reference								
<b>Test conditions</b>								
Date(s) of test	Day 1			Day 2				
Surface condition (dry or wet)								
Surface temperature (°C)	Min.		Max.		Min.		Max.	
Humidity (%RH)	Min.		Max.		Min.		Max.	
Maximum wind speed	Ball rebound tests			Ball roll tests				
	m/s			m/s				

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## Section 3: Detailed results

### Ball/surface and player/surface interactions

Property	Specified range	Test Position						Pass / fail
		1	2	3	4	5	6	
Vertical ball rebound	0.60 m – 1.00 m							
Angle ball rebound	Dry 45 % - 70 %							
	Wet 45 % - 80 %							
Ball roll	4.0 m – 10.0 m							
Shock absorption	55 % - 70 %							
Deformation	4.0 mm – 9.0 mm							
Rotational resistance	25 Nm – 50 Nm							
Linear friction Stud deceleration	3.0 g – 6.0 g							
Linear friction Stud slide	120 – 220							

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## Infra-structure tests & measurements

Property	Specified range	Test Position						Pass / fail
		1	2	3	4	5	6	
Water permeability	>180 mm/h							
Shock absorption of shockpad, when applicable	± 5% FR of reference sample		Reference *	1	2	3	4	
		Result						
		Variation						
Thickness of shockpad, when applicable	≥90% of reference sample	Result						
		Variation						
Pitch dimensions	Length	Min. 90m Max. 120m						
	Width	Min. 45m Max. 90m						

\* As detailed on FIFA laboratory test report

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## Product identification

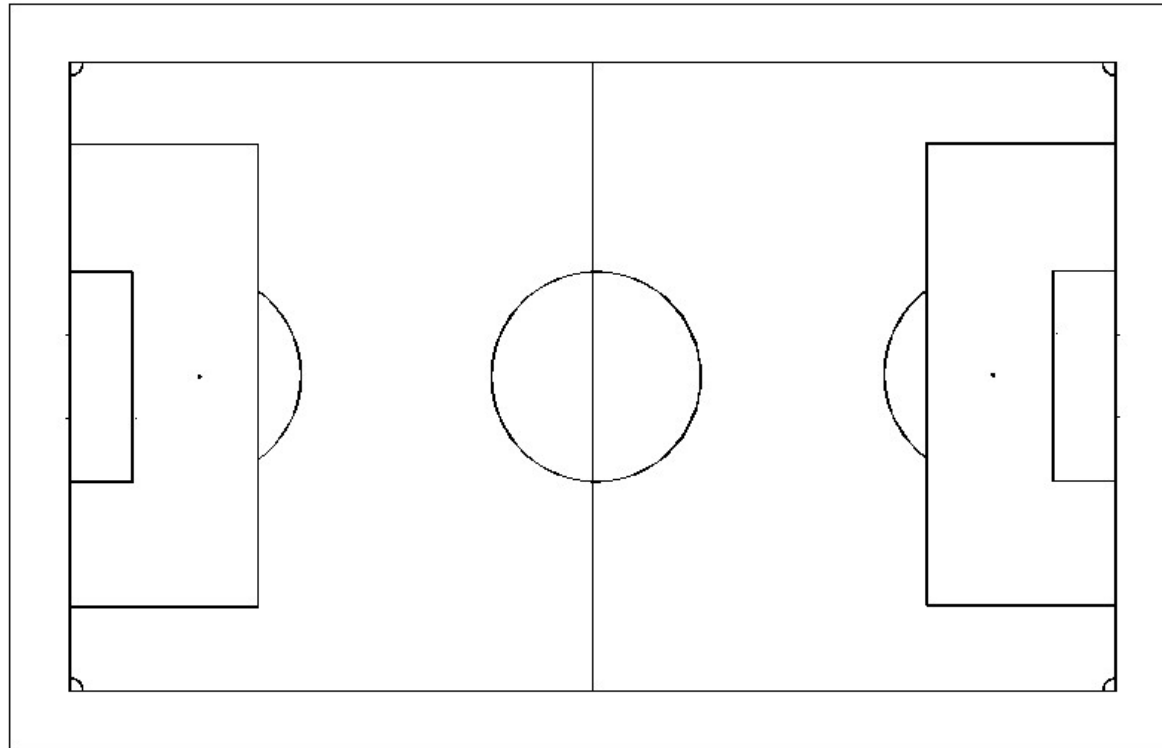
Component	Property	Site sample	Manufacturer's declaration *	Variation	FIFA requirement	Pass / Fail
Artificial turf	Mass per unit area				$\leq \pm 10\%$	
	Tufts per unit area				$\leq \pm 10\%$	
	Tuft withdrawal				$\geq 90\%$ of reference	
	Pile length				$\leq \pm 5\%$	
	Pile weight				$\leq \pm 10\%$	
	Pile yarn characterisation					Same polymer
Performance infill	Particle size				$\leq \pm 20\%$	
	Particle shape				Similar shape	
	Bulk density				$\leq \pm 15\%$	
Stabilising infill	Particle size				$\leq \pm 20\%$	
	Particle shape				Similar shape	
	Bulk density				$\leq \pm 15\%$	

\* As detailed on FIFA laboratory test report

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Plan showing surface undulations exceeding 10mm



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Plan showing principle slopes

