

**Description**

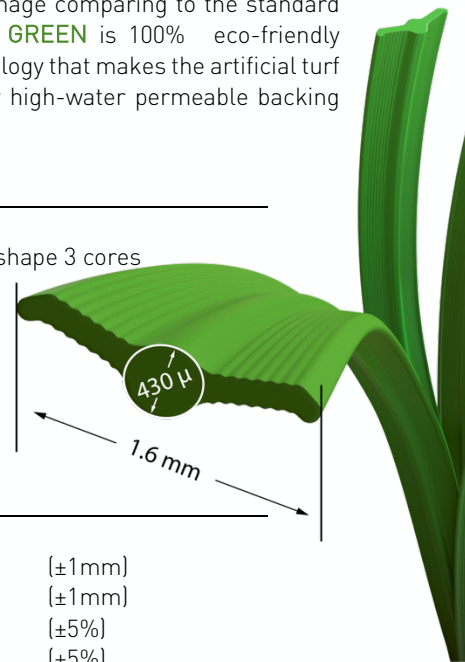
**BIO GREEN**, the new innovation of HATKO, is designed with a special backing technology that uses no latex or PU coating.

**BIO GREEN** allows 5 times quicker water drainage comparing to the standard Latex / PU coated artificial turf carpets. **BIO GREEN** is 100% eco-friendly system through its patent pending fusion technology that makes the artificial turf 100% recyclable carpet system with extremely high-water permeable backing and extremely strong tuft lock.

**Technical Characteristics**

**~ Yarn characteristics:**

Composition	: %100 Polyethylene
Structure yarn	: Straight Mono Omega shape 3 cores
Color	: Duotone (Field/ lime)
Weight	: 17500/6 D-tex (±5%)
U.V Stability	: UVA & UVB
Light Fastness	: Grey Scale :4-5
Yarn Thickness	: 430 µ
Yarn Width	: 1.6 mm
Yarn Count	: 6



**~ Tuft characteristics :**

Tufting	: In line	
Pile height	: 60 mm	(±1mm)
Total Pile height	: 62 mm	(±1mm)
Tuft per M2	: 7.875	(±5%)
Fibers per M2	: 94 500	(±5%)
Fibers per tuft	: 6 ply monofilament	
Total yarn weight	: 1.900 g/m2	(±10%)
Tuft Lock unaged	: 59N	
Tuft Lock water-aged	: 53N	

**~ Backing characteristics:**

Backing	: Polyamide,antibacterial, antifungal and water resistant
Weight per unit	: 320 g/m2
Total carpet weight	: 2.220 g/m2 (±10%)
Recyclability	: 100 %
Carpet Permeability	: 24.000 mm/hr
Complete System Permeability	: 12.700mm/hr

**Caractéristiques Infill / E-layer**

**Stabilization Infill**

Quantity	: 19mm	(+ or - 5%)
Granule size	: d/D - 0.315 / 1.0mm	
Density	: 1.40 g/cm3	

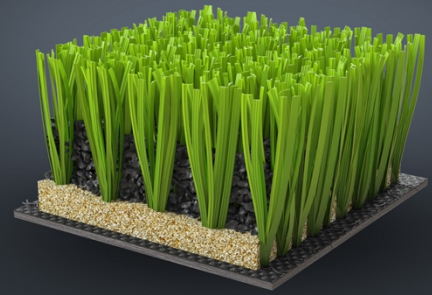
Silica sand must be siliceous (90% min) washed and dried. The grains must be round and comply with the standards in force in the installation country.

**Performance Infill**

Description	: Black SBR rubber must be absent of foreign material.
Quantity	: 26mm (+ or - 5%)
Granule size	: d/D - 0.63/2.5 mm
Density	: 0.480 g/cm3



**OMEGA TURF XL R**



**Other Information**

**Uses :**

Soccer - other outdoor activities

**Colors :**

Field Green and Lime Green - White

**Packaging :**

Roll width : 3,72 m

Roll length : on demand

**Laboratory Reports :**

UVA & UVB / FIFA Quality Pro &

Quality / EN 15330 / NF P90-112

**System Close-up**



**HATKO References**

**PROJECT NAME**

**COUNTRY**

**CATEGORY**

PROJECT NAME	COUNTRY	CATEGORY
EPS Messinias	Greece	FIFA Quality Pro
Samsunspor FC	Turkiye	FIFA Quality Pro
Municipality of Cannara	Italy	LND
Trigoria A.S. Roma Sport Center	Italy	LND
Municipality of Pietrasanta	Italy	LND
Cambiano United	Italy	LND
Ferrandina	Italy	LND
Zenith Prato	Italy	LND
ADELEKE University	Nigeria	FIFA Quality Pro
UFA Dostlik Project Field 1	Uzbekistan	
UFA Dostlik Project Field 2	Uzbekistan	

