

# WORLD BEST KOLON ARTIFICIAL TURF



# KOLON Toward the Global Best

KOLON continues to innovate for its customers.  
We've been exceeding customer expectations for more than 60 years.  
KOLON began delivering value in 1954 and continues to embrace inventive and original ways to assure customer satisfaction.



## History

### 1968 - 1980s

Established.  
Artificial turf ground developed.  
Success reported to the President.

### 1990s

Acquired Korea's one and only new artificial turf ground technology for sports games.  
Registered 15 patents and designs related to artificial turf ground.  
Acquired ISO 9000 Certificate.  
Acquired ISO 14000 Certificate.

### 2000 - present

Selected as official artificial turf ground for Association in 2004 - 2006.  
Installed at the practice field for the Korean Team.  
Completed the world's first 18 - hole golf course with the artificial turf ground.  
Developed composite artificial turf ground for soccer fields.  
Acquired KISS Certificate of Korea Institute of Sports Science.  
"World - class Product" of the Minister of Ministry of Knowledge Economy.  
Acquired Korea's first KS Certificate in '11.  
Acquired Korea's first environment mark and green technology certificate in '12.  
Developed eco - friendly E coating technology.  
Acquired NET New Technology Certificate in '13.

## KOLON PROVIDE ARTIFICIAL TURF TOTAL SOLUTION

KOLON GLOTECH ARTIFICIAL TURF

### Advanced Technology

#### Technology for first-hand production!!

Produced at Gyeongbuk Gumi Factory, stable financial structure as a large company, A+ corporate credit rating.

### Stability

#### Accredited quality certificates in Korea and abroad!!

KS Certificate, KISS Certificate of Korea Institute of Sports Science, World class Product, Patent & Utility Design, Q Mark for Eco-friendly Certificate Mark, and Green Technology Certificate for the first time in Korea.

### Installation Capacity

#### Most experience and highest level of capacity in Korea!!

Five specialized installation teams, know-how from installing about 300 sites, including local governments, schools, and private companies.

### Maintenance

#### Reliable service system in five regions nationwide!!

Six specialized A/S teams for each region, 8-year quality warranty in the name of Kolon Group.



# World Best Artificial Turf

Optimum properties for a perfect play based on comparative study  
with natural grass – Equivalent to natural grass

As the leader of sports science in Korea, Kolon Konygreen has been aiming at developing Korea's industries to world-class level for the era of infinite competition in the 21st Century.



## HIGHEST QUALITY PRODUCTION (e-Coating)

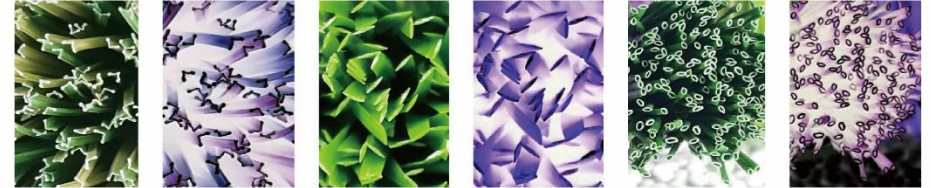
Kolon Make Difference! We Challenge To Develop The Quality Compete To World Global Trends  
The e-Coating Combined The Material Type Between The Pile And Back Coating To Pe Material  
The e-Coating Technology Fully Tested From Domestic And Overseas Market  
It's No More Stick With Back Coating, We Melted The Pile And 100% Attach Together With Back Coating.  
So It's Hardly Pull, Higher Water Resistance And Available To Recycle.(Ecology Friendly)



## Why KOLON ?

### 1. 'Total Solution System' for artificial turf

- We have a specialized R&D center and production line for manufacturing and looming yarns for artificial turf and processing, filling, installing, and maintaining artificial turf.
- We have a full product line-up for different types of artificial turf. (contact & non-contact sports, landscaping, DIY, etc.).
- We can create products and performances desired by customers.
- We use materials we produce for cost-efficiency.



### 2. Eco-Friendly 'Cradle to Cradle' for Artificial Turf

- Eco Design Yarn, Eco Design Backing (e-Coating)
  - ↳ 3-Free Turf : No Heavy Metal, VOCs, PAHs
  - ↳ Satisfies the safety standards for the yarns and fillings used in the most severe environment in the world.
  - ↳ Latex Free Backing : Recyclable, Reuse, Durability (High Pull-out Force)
  - ↳ Saves CO2 by 74.5% compared to conventional coated artificial turf products.
- Flawless system for deconstruction, sorting, and separation for disposition of artificial turf (REProduction)

#### 'Conventional' Coating



#### "Composite material"

Polyolefin (PE, PP)+SBR, PU

#### 'Brand New'e-Coating



#### "Single material"

Polyolefin (PE, PP)

### 3. Reliability

- Reputation/experience of brand
  - ↳ Korea's first professional maker of artificial turf (since 1978).
  - ↳ We have over 30 years of accumulated technology and knowhow in relation to artificial turf and installed about 3,000 fields (9 million m2) during the last 10 years.
- Solid Quality Control System
  - ↳ We operate a complete durability & playability tester for artificial turf.
  - ↳ We have specialized systems for analyzing materials and operating human resources.



Xenon



Lisport (Abrasion) Tester



IR



Triple A



Skin Friction



DSC



# KOLON Artificial Turf

## Sports (Soccer, Hockey, Tennis)

New Development On Special Yarn & Infilling, Minimised Biting & Harminess  
Being Used LSR Special Yarn, Maximum Playability Available  
User-Friendly Product Development Provides Its Best Fuctions  
More Than 8years Can Be Used Upon Its Usage In Good Conditions  
Due To Its Specially Designe, It Can Be Used In The Rain



BODY DAMAGE  
PRODUCT  
PLAYABILITY  
DURABILITY  
PERMEABILITY



### Product Specifications

For soccer and baseball fields

Item	Specifications		Description
Product Name	TM5500e	TM6500e	An eco- friendly green technology product with more durable mono-filaments. 90% of natural grass suitable for soccer and baseball games. Very safe with the materials used to make food packages.
Length of Pile	55mm	65mm	
Pile Material	PE	PE	
	Monofilament	Monofilament	Most similar to natural grass. Designed to be suitable for soccer and baseball games after filling.
Weaving	Tufting	Tufting	
Type of Turf	Single Structure	Single Structure	
Backing	E-Coating	E-Coating	Duo-tone products that mix dark and light green or one-tone of single color.
Other	Duo tone	Duo tone	



### Product Specifications

For hockey fields

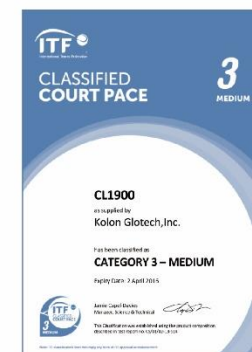
Item	Specifications		Description
Product Name	TP5000w		Official product certified by International Federation of Hockey (FIH). 90% of natural grass suitable for soccer and baseball games. Very safe with the materials used to make food packages.
Length of Pile	13mm		
Pile Material	PE+PP		
Weaving	Tufting		Most similar to natural grass. Very densely woven, optimal design for hockey games. Comes with the pad suitable for FIH requirements.
Type of Turf	Single Structure		
Other	Special Pad for Hockey Field		



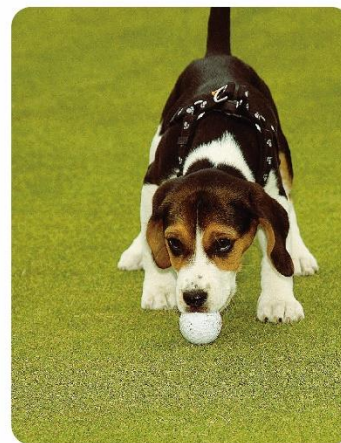
### Product Specifications

For Tennis, Multipurpose

Item	Specifications		Description
Product Name	TM2000	CL1900	Official product certified by International Tennis Federation (ITF). 90% of natural grass suitable for soccer and baseball games. Very safe with the materials used to make food packages.
Length of Pile	20mm	19mm	
Pile Material	PE	Nylon	
	Monofilament	Monofilament	Most similar to natural grass. Designed for various sports games, including tennis and gate ball. Multipurpose for any weather as preferred.
Weaving	Tufting	Tufting	
Type of Turf	Single Structure	Single Structure	
Other	Tennis, Multipurpose	Tennis, Multipurpose	







## KOLON Artificial Turf Landscape, Playground

Kolon Continually Developed The Landscape Synthetic Grass  
Natural Like, Softer, Cleaner, Longer Lasting, Healthier  
Kolon Will Be Your Life Partner And Keep A Bountiful Life





## DIY, HOME INTERIOR

### Module Type (0.33 X 0.33m)

Easy combination suitable for small areas

- Fit in/Assemble type
- Good for Drainage
- Interior design, balcony, multipurpose rooms, putting mat, etc.



### Roll Type (1 X 1m)

Suitable for larger areas

- None Slip with TPE(Thermal Plastic Elastomer)Backing
- Rooftop gardens, decorating commercial facilities, outdoor mats, etc.



### Roll-Type design mat



## REFERENCE







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Youtube: Search: "KOLON GLOTECH"

Home page: [http://www.kolonturf.co.kr/Frontoffice\\_ê/](http://www.kolonturf.co.kr/Frontoffice_ê/)