

SYNTHETIC GRASS

TABLE OF CONTENTS



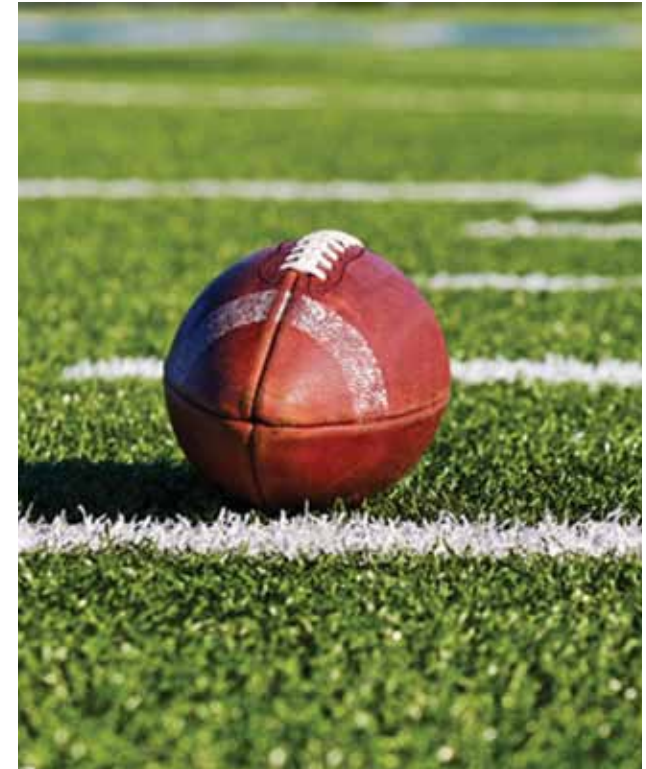
WELCOME

5 How Did It Come About?
7 Background Information



HOME

9 Home Garden
11 Advantages



SPORTS

13 Usage of Sports
15 Unique Sports Grass Profile



CHOOSE US

16 Safety Issues
18 Quality Guarantee
19 The Only Choice



INSTALLATION

20 Layering
21 Installation
22 Machines & Tools



MAINTENANCE

25 Tips



HOW DID IT COME ABOUT?

Artificial grass has received considerable attention in recent years due to the use of artificial turf on football fields. The types of artificial grass designed for sports, residential and commercial uses are often mistakenly confused.

These two products differ considerably. Imperial Grass® Landscape is specifically designed for gardens and roof terraces whereas Imperial Grass® Sports Series is specifically designed for sports (e.g. Football field, tennis court, etc.) Hence, we advise familiarising yourself with the different types of artificial grass available, so that you can choose the type that best meets your specific needs and circumstances.

Our website contains detailed information on the various types of Imperial Grass® that we recommend for garden roof terraces and sports usage. For personal product advice, please do not hesitate to contact your local distributors, who will be happy to answer your questions.





BACKGROUND



Imperial Grass™ has been making an intensive development during the last 7 years in the artificial turf industry. We are professionals in research and production of suspending modular sports flooring. By following the market-oriented, Imperial Grass™ continuously integrate scientific research with production and sales platform. We abide by the principle of good faith to promote co-operation worldwide, which maximises application of artificial turf to the football pitch, tennis court, gateball court, hockey pitch and golf course. Imperial Grass™ wins a good reputation with sincere trust in this area through our high-quality and head to toe service concept.

Throughout the diligent operating development and prospering these years, we are proud of the classic projects we have worked out such as Helmond Sport, TEZ Enschede, HBS Craeyenhout, Hotel Leusden and NH Grand Hotel Krasnapolsky. Imperial Grass™ growth is based on the internationalisation of ideas. All of our products are imported from our facilities in the UK & USA where all the turfs (contain 6-35mm and 30-75mm) are completed at our first-class standard factory.

“The Imperial Grass™, Green Up Your Life” have launched 3 brands in 2009. We believe it has a bright and pleasant prospect in the market and it will establish a leading image in the industry as well as create a new model for the future. Imperial Grass™ participates in industrial development and has also diversified into investment. With the branches covering Netherlands, 2 Football Clubs and a 50 million investment for a 40 000 square meters factory re-building-set up and wholly-owned international trading platform in Hong Kong - there is a vast space for development.

Keen on the humanistic enterprise, Imperial Grass™ will always grasp the present, plan for tomorrow and fight for a better future!



HOME GARDEN

During recent years, with its constant development and upgrading, artificial turf for sports fields has gain recognition from an increasing number of people around the globe. The landscaping turf, as one branch of artificial turf products, has been used in a more variety of places. Its great product performance and plasticity brings the designer with rich imagination and creative inspiration.

The natural look and feel, the great abrasion resistance, UV resistance and stable colour of the landscaping grass brings great joy and comfort to the users. Using artificial grass for landscaping and leisure has been gaining popularity in western countries. The range of application include: rooftop terrace design, indoors, gardens, shopping malls and recreational facilities.

Just use your imagination!





ADVANTAGES

Imperial Grass™ has established itself as a leading and trendsetting international artificial grass brand. Imperial Grass™ approach to top quality and a focus on solutions for landscaping makes the product stand out from conventional artificial grass. You probably have a good sense of just how much time and energy it takes not only to create a great looking lawn, but to keep it that way.

Imperial Grass™ offers countless advantages:

- Low maintenance - Go ahead and sell your lawn mower! You will no longer need it nor will you have to deal with the annual costs of spraying, reseeding and weed control.
- No watering - You no longer have to worry about watering! For those on water meter, it offers a saving.
- Durability - Able to withstand intensive use without developing patches or brown spots.
- Visual appeal - Beautiful and natural looking green lawn at all times, ideal for landscaping.
- Feel - Soft to touch and comfortable to walk on with your bare feet
- Range of application - The best part is, you can install artificial turf where normal grass will not grow, whether in the shade, under the roof or even on a balcony or a roof terrace.
- UV stability - It is well known that synthetic turf are sensitive to degradation due to being exposed to sunlight. Imperial Grass® provides a limited 8 year warranty on UV-stability and discoloration, eliminating that worry.



USAGE IN SPORTS

Imperial Grass™ Sports Series artificial turf is specifically designed for sport function. We have various grass based on different sports ground usage (e.g. football pitch, tennis court, hockey court, etc.). The great wearability and resilience of Imperial Grass™ artificial turf makes it all-weather playable. It is soft, comfortable and has a natural colour semblance. Not only does it feel like natural grass but it is also safe and functional for exercise.

Benefits of Imperial Grass™ Sport Series:

- Resistant to difficult climate conditions.
- Clean & Safe.
- Low maintenance.
- Provides longer playing hours as compared to natural grass.
- Improved playing conditions.
- High strength and tenacity.





UNIQUE SPORTS GRASS PROFILE

Profile

Since its establishment in 2003, Imperial Grass™ has become a leading brand in innovative artificial grass, with products available in 30 countries worldwide. Thousands of garden owners have enjoyed the luxury of Imperial Grass™. Being a market leader, Imperial Grass™ takes its responsibility seriously towards the quality of its products seriously, as well as having socially responsible business practices. This is why Imperial Grass™ offers you a quality guarantee.

The natural V-shape

When handling synthetic grass, look up close! The fibre blade used for Imperial Grass™ mimics nature. As with natural grass, the fibre has a V-shaped structure. A robust core, the 'backbone' of the fibre, ensures that the blades stay as upright as possible which results in an incredibly realistic looking grass. This shape is a patent property of Imperial Grass™ and all products in our range features this unique fibre. The V-shape combines decorative value with a natural appearance.



SAFETY ISSUES

The fibres from TenCate used for the production of Imperial Grass™ have been investigated according to the stringent German standard DIN 18035-7 in a testing scheme in which all applied polymer compositions and colours were represented. This means that no lead, cadmium, chromium total, copper, mercury, zinc or tin above the strict minimum limits are measured for leaching out into the groundwater.

Furthermore, a qualitative health risk analysis was conducted in 2005 by Dutch organisation TNO (organisation for Applied Scientific Research) to establish the possible dangers related to the used of Imperial Grass™.

The following exposure situations were covered:

- Inhalation of substances released at high outdoor temperatures (max 50 degrees C°)
- Inhalation of substances released in a fire
- Eye contact with fibres
- Drinking water containing leached materials from Imperial Grass™ fibres and backing
- Contact between damaged skin and fibres
- Swallowing/ sucking on Imperial Grass™ fibres

The conclusions based on the qualitative risk assessment of Imperial Grass™ products ensure that they are safe for use in all recommended applications.



SAFETY IS KEY

Imperial Grass™ artificial turf is designed to look and feel like natural grass. It ensures that the user is protected against falls, cuts and abrasions. The following safety factors ensure that it is safe for adults, children and pets to use.

Safety factors:

- Artificial lawn area can be used all year round because it's more resilient than natural grass.
- It is not affected by weather extremes or use.
- Dirt, mud and grass cuttings are no longer tracked into homes.
- Rodents and pests are not attracted to it.
- Requires minimum maintenance.
- It has rapid drainage which allows immediate use of artificial turf after rain.



QUALITY GUARANTEE

Powered by TenCate

Imperial Grass™ is produced in the Netherlands using artificial grass fibres made by Royal TenCate in accordance with meticulous and strictly supervised quality standards. Imperial Grass™ is proud to offer the only artificial grass product on the market for garden landscaping that carries the 'powered by TenCate' label. We guarantee a high quality product with a superior origin.

Warranty

When you choose Imperial Grass™, you are choosing a complete package. This refers not only to the artificial grass but all necessary materials specially developed for Imperial Grass™ and designed for coordinated use. Imperial Grass™ distributors are experienced in laying artificial grass. Our products are 100% recyclable and do not contain any substances that may harm you or the environment. Imperial Grass™ guarantees a long lasting, beautiful lawn. Thanks to our history and experience, we provide a limited warranty of 8 years with terms and conditions applied on UV stability and discoloration.



THE ONLY CHOICE

Artificial grass with a long blade is strewn with a filler material which increases the weight of the artificial grass cover. It provides stability and protects the backing during intensive use. This added weight keeps the artificial turf firm and prevents wrinkles or creases from developing during use. It also supports the deep-pile synthetic grass fibres so that they remain upright.

Imperial Grass™ uses only sand to achieve this since sand is a natural material. The sand is specially developed for this purpose and enhances the natural appearance of your grass, as it has a nice earthy brown colour. Imperial Grass™ sand-filled artificial grass requires low maintenance and is a user friendly surface.

The product best suited for your garden depends on your personal preferences in terms of intended use and appearances. Whichever system is most suitable for your needs i.e. with or without a sand fill, depends on where your artificial grass will be installed and the intensity of expected use. To get a better sense of the look and feel of Imperial Grass™, you need to feel the product or walk on it barefoot to get the full experience.

Schedule a visit to our Concept Centre to enjoy the full experience of the artificial grass! To ensure you choose the right product, contact your local distributors for an advice before making your purchase.



LAYERING

Imperial Grass™ can, in principle, be laid anywhere. There are a few conditions, however, that must be met to ensure the best possible result. Adequate base preparation is important for supporting the weight of the artificial grass and to help it last as long as possible.

Laying artificial grass requires professional skill, just as with paving and brickwork. Points that must be taken into consideration include the type of surface, weather conditions and the effect of weather on the grass. As with the carpet laying, cutting the material to fit and seaming the joins require skill and experience. Naturally, the difficulty of the installation depends on the type of artificial grass chosen and the garden layout. Hence it is best to leave the installation to the professionals.



INSTALLATION

Applications

Artificial Grass can be installed in both outdoors and indoors. Places of application includes garden, rooftop, balcony, play area, Gym, Restaurant, hotel, showroom, poolside, temporary activities flooring, etc.

However, there are a few factors to take into account when calculating the amount of artificial grass needed.

Factors:

- Artificial grass is produced in 4-metre wide swaths thus it is useful to bear this in mind when designing your lawn
- Each swath of grass has to have the same pole direction, or there will be an optical colour difference.
- The pole direction should point towards where the grass is facing to ensure that the grass looks most natural.



MACHINES & TOOLS

Turf Maintenance Vehicle

Mowers are engineered to efficiently handle extreme conditions and challenging terrain, without sacrificing cut quality.



Small Turf Maintenance Vehicle

Handle conditions and challenging terrain, without sacrificing cut quality.



Gluing Set

To glue two carpet grass together firmly.



Line Cutter

A tool that cuts the grass carpet as straight as possible.



MACHINES & TOOLS

Granule Filling Machine

A tool that fills granule evenly on the grass.



Circular Cutter

Cut a hole for golf play or for installing pipes.



Brushing Machine

Brush the grass to help it stand up straight by pushing the granule at the base of every grass.



Artificial Turf Grabber

Pulls bigger carpet grass to make it straight.



MACHINES & TOOLS

Automatic Granule Filling

Add granule to help taller grass stand straight.



Trimming Tool

Makes the grass height even as the ground may be slanted.



MAINTENANCE

Imperial Grass™ provides many years of enjoyment with minimum maintenance. Here are some simple maintenance tips to keep the grass looking at its best.

Tips:

- Keep the grass free of debris and leaves.
- Remove leaves using a leaf blower or rake.
- Remove any weeds immediately to prevent seed dispersal.
- Use clean water to rinse of any spills.
- Pet excrement or smells can be removed using detergent and water.
- Brush the grass regularly using a hard broom and in different directions for a natural look.
- Avoid contact with hot materials to prevent shrinkage of the grass fibres.

More information and frequently asked questions on maintenance can be found on our website.







Singapore Distributor



Fukai Environmental Pte Ltd
Blk 22 Woodlands Link #01-53/54
Woodlands East Industrial Estate
Singapore 738734

Tel: 6755 4755 Fax: 6754 5144
Email: fukaiproject@hotmail.com

Website: <http://fukai.com.sg>



Award



Certificate

