



ARTIFICIAL GRASS

PRODUCT PRESENTATION

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Top-Joy International Trading(Shanghai)Co., Ltd.



GET MORE GREEN FOR HEALTHY LIFE

Natural Grass Look
Excellent Durability
UV Resistance
Easy Installation
Low Maintenance Cost
All Weather Use

03/ 04.....OUR ARTIFICIAL GRASS(Instruction)

●ATHLETIC FIELDS

05/ 06.....QUALITY CONTROL

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●LANDSCAPING

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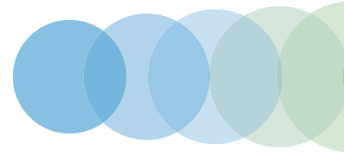
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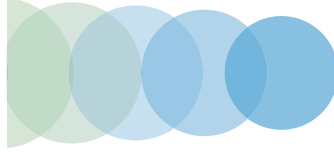
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OUR ARTIFICIAL GRASS

Imagine grass that is always green, always soft, Never need maintenance....
 Imagine doing nothing and still having a lawn year after year.....

Top-Joy is one of the leaders in artificial grass industry in China. We provide high quality systems for both sports and leisure. We exported to U.S.A, Australia, German, Canada, Holland, U.K., France, Brazil, Finland, Iraq, Saudi Arabia and so on.

General Properties of Artificial Grass Materials:

Common Yarn Fibers

- Polyethylene (PE)
- Polypropylene (PP)
- Nylon (PA)

Surface Specifications (Ranges)

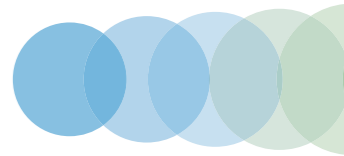
- DTEX: 6600 to 21000
- Density: 4600 to 75600
- Gauge: 3/8 to 5/32 inch

Common Yarn Styles

- Flat Tape
- Monofilament
- Fibrillated
- W-Shape
- C-Shape
- S-shape
- Single Vein



QUALITY CONTROL



OUR MOTTO: TO PROVIDE BETTER LIVING SPACES

100% of our products are through quality inspection before delivery to our customers.



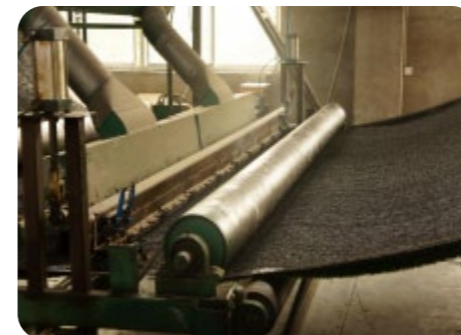
Step1: High quality yarn



Step2: Weave by imported machine



Step3: Half finished turf



Step4: SBR backing process



Step5: Quality control (pile)



Step6: Quality control (gauge)



Step7: Quality control (stitch)



Step8: PP woven cloth packing



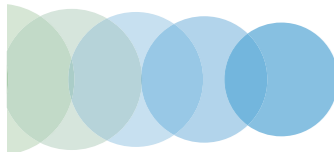
Step9: Uploading

Pile Height: 40mm, 50mm, 60mm
 DTEX: 6600, 8800, 9500, 11000
 Gauge: 3/4", 5/8"
 Density: 10500, 12500, 15000
 Stitches: 140, 200, 240
 Backing: PP+Net+SBR latex



INFILL FOOTBALL ARTIFICIAL GRASS

Football grass pile height is 35-65mm, usually filled with a combination of sand and/or rubber granules



ARTIFICIAL GRASS

100% anti-UV soft and durable polyethylene monofilament straight fiber.



RUBBER AND SAND INFILL

Absorb impact as well as being the foundation to a field's performance level by offering traction for players.



DOUBLE BACKING

The secondary backing is the latex coating and is applied to the reverse side of the primary backing in order to permanently lock the tufted fibers in place.

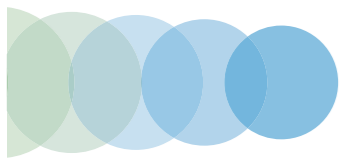
DOUBLE BACKING

The primary backing is comprised of woven polypropylene fabrics that allow the artificial turf fibers to be tufted into material in rows and facilitate seaming between artificial turf panels.

Pile Height: 25mm, 30mm
35mm, 40mm
DTEX: 8800, 9500, 11000
Gauge: 3/4", 5/8"
Density: 17850, 18900, 21000, 23100
Stitches: 170, 180, 200, 220
Backing: PP+Net+SBR latex

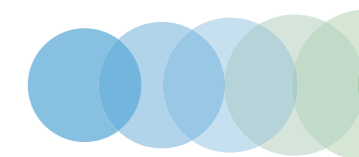
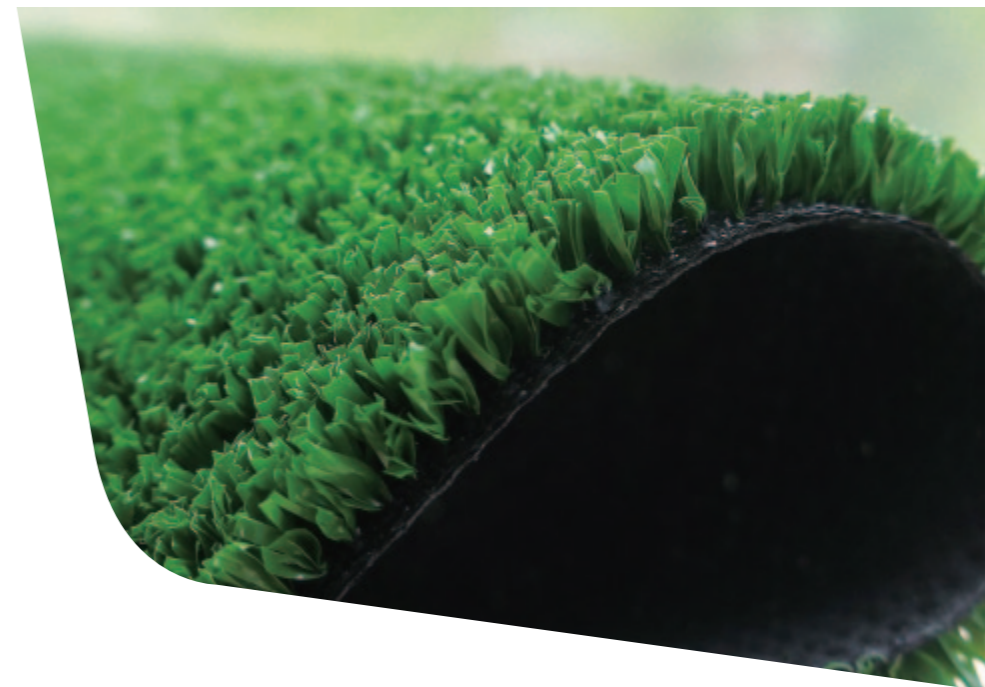


NO-INFILL FOOTBALL ARTIFICIAL GRASS



TENNIS ARTIFICIAL GRASS

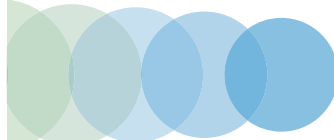
The International Tennis Federation (ITF) recognise the use of synthetic grass playing surfaces and has used artificial surfaces since the 1970s. Tennis is one of the few international elite level sports that is played on many different surface types.



Pile Height: 10mm, 12mm, 15mm
DTEX: 6600, 8800, 11000
Gauge: 3/16", 3/8"5/32"
Density: 52500, 58000, 73500, 75600
Stitches: 200, 250, 350
Backing: PP+Net+SBR latex

GOLF PUTTING GREEN

Synthetic grass is now used at some golf courses for driving range tees and, in some cases, actual tees, greens and fairways. It is also used for similar purposes in private installations and in commercial indoor facilities.



Pile Height: 8mm, 10mm, 15mm
DTEX: 3600, 4400, 5500, 6000
Gauge: 3/16", 5/32"
Density: 50400, 58800, 68000
Stitches: 240, 280, 320
Backing: PP+Net+SBR latex





Hockey

Hockey was an early adopter of artificial grass. First tried for a major event at the 1976 Montreal Olympic Games, artificial grass soon became the preferred surface for all elite hockey events, and by the early 1990s artificial surfaces were becoming commonplace at local club level around the world.



Cricket

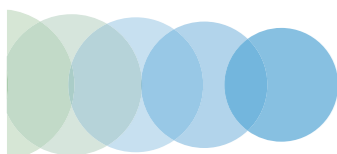
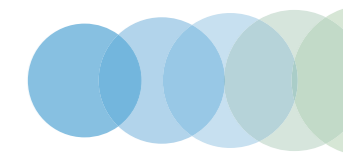
Artificial grass pitches have become the preferred playing surface for middle and lower grade cricket competitions over the past two decades. Replacing old matting and malthoid pitches, these pitches are generally single strips of high-density carpet (9-11mm pile height) glued to a concrete base.



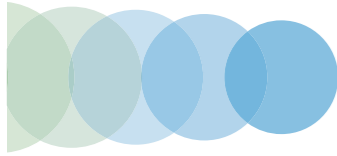
Baseball

A full synthetic turf baseball field opened in Geelong, Victoria, in 2007. Using artificial grass for the infield, outfield and the running paths between bases, with a small section of en-tout-cas adjacent to each base to allow the base runner to slide in if necessary.

YOUR DREAMS OF A LUSH GREEN LAWN.....
....NOW A REALITY



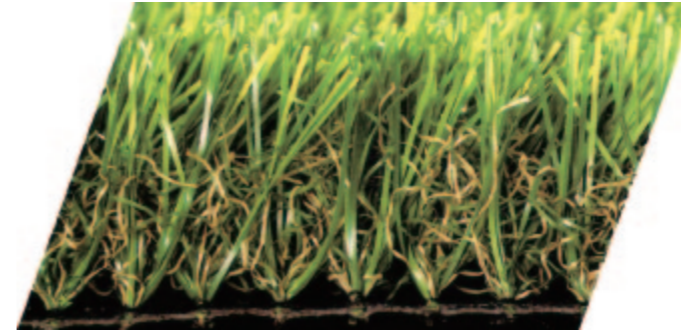
MULTI-SPORTS (HOCKEY/ CRICKET/ BASEBALL)



LANDSCAPING ARTIFICIAL GRASS



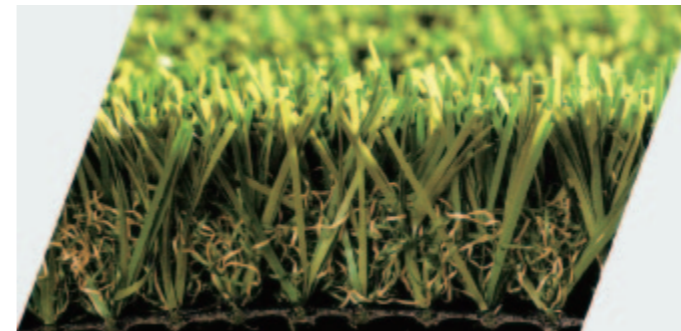
Pile Height: 20mm
Density: 14700 s/sqm
Color: 4 tones
Backing: PP+Net+SBR latex
Gauge: 3/8"
Dtex: 14000



Pile Height: 25mm
Density: 16800 s/sqm
Color: 4 tones
Backing: PP+Net+SBR latex
Gauge: 3/8"
Dtex: 10500



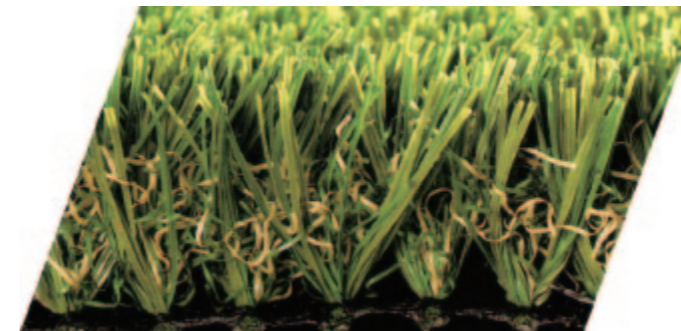
Pile Height: 30mm
Density: 13650 s/sqm
Color: 4 tones
Backing: PP+Net+SBR latex
Gauge: 3/8"
Dtex: 16500



Pile Height: 35mm
Density: 16800 s/m
Color: 4 tones
Backing: PP+Net+SBR latex
Gauge: 3/8"
Dtex: 10500



Pile Height: 40mm
Density: 14700 s/sqm
Color: 4 tones
Backing: PP+Net+SBR latex
Gauge: 3/8"
Dtex: 11000

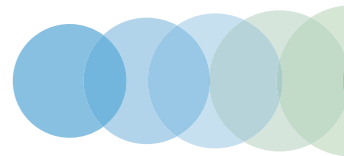
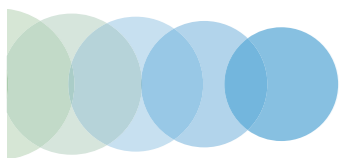


Pile Height: 45mm
Density: 14700 s/sqm
Color: 4 tones
Backing: PP+Net+SBR latex
Gauge: 3/8"
Dtex: 11000



GARDEN

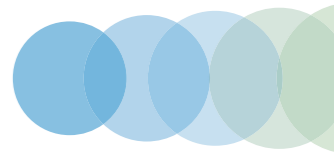
Transform your garden into a real living experience



PLAYGROUND/ SCHOOL

Perfectly cushioned Top-Joy...
loved by all children encouraging more time out in the fresh air.
Top-Joy at the forefront for child friendly surfaces!

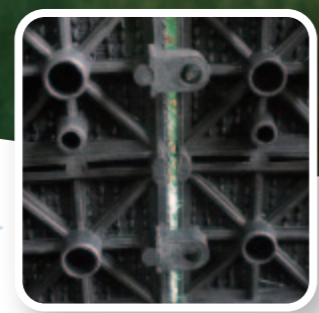




Foam Backing Grass
Size: 500mm*500mm
1000mm*1000mm



Plastic Backing Grass
Size: 300mm*300mm

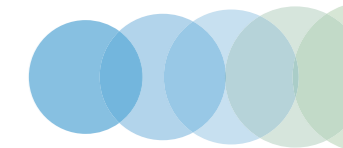


INTERLOCKING ARTIFICIAL GRASS

TOP-JOY Interlocking grass has two types. One is foam backing, the other is plastic backing. You can use interlocking grass for sport and landscaping. This design is for DIY.

PET TURF

Tired of your pet bringing dirt in the house?
Annoyed with washing them over and over again?
TOP-JOY pet turf is your best choice.



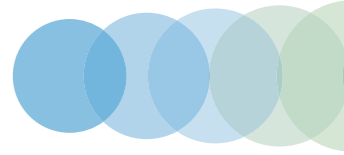
Pet Turf is designed for dogs. Our pet turf is suitable for both your pet's paws and your yard's aesthetics. It drains faster than other turfs. Our pet turf provides a clean and sanitary place for dogs to play. Just use your popper scooper and spray with a water hose for cleaning up.

Like real grass, soft , comfortable, no mud.



Pet Turf Pad:
Size: 400mmX260mm





ACCESSORIES

We can provide you the one-stop purchase. All the accessories for installation such as shock pad, glue, infilled granules, joint tape. That would be very convenient for you. Top-Joy is your best choice.



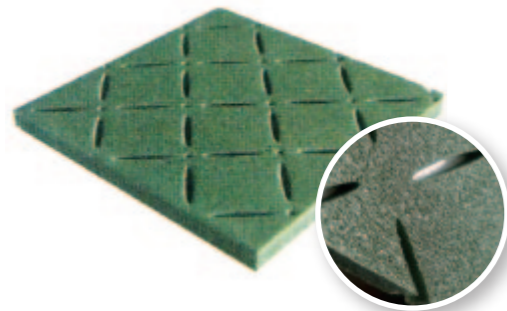
Black Rubber Granule

TOP-JOY's Colored EPDM is made from Virgin EPDM polymers and has Excellent UV Stability. Particles size distribution is strictly controlled in order to provide a dependable quality product with minimal dust content.



Colored Thermoplastic Elastomer Filling

TPE is a diverse family of rubber-like materials that can be processed and recycled like thermoplastic materials. TPE combines the desirable characteristics of vulcanized rubber, such as flexibility and low compression set, with the processing ease of thermoplastics.



XPE Shock Absorber Pad

XPE Shock Pad is made from polyethylene, hinge agent, promoters by chemical foaming process. It's a flexible foam pad that with high Shock absorption. So it's widely used in artificial turf field, leisure area and playground as underlay. XPE Shock Pad supports all artificial grass field and makes it to get the best performance. TOP-JOY Shock Pad matched the standard of FIFA 1 star and FIFA 2 star. The density is 30kg/m³, 50kg/m³, 70kg/m³, 90kg/m³.



Glue For Artificial Grass

1. Environmental-friendly: Extraordinary low benzene and VOC, no hazardous materials and additives.
2. High solid content: 34% solid content, much higher than conventional adhesives, which can adhesive consumption by 30%-40%.
3. Freezing temperature resistant: no influence even at -15°C to -20°C and easy for transportation and bonding in winter.
4. Super initial bonding power, good penetration property and fast drying speed.
5. Stable performance: moisture and water-immersion resistant after hardening, good impact resistant, which assures long service life.

PP Joint Cloth Seaming Tape

Roll Width: 30cm or customized
Roll Length: 500m
Color: Black or customized



WARRANTY GUARANTEE

We welcome for your purchasing of our sport artificial grass. We guarantee-

1. To provide customers the correct artificial grass, such as tufts/sqm, pile height, yarn material, and etc., as per the requirement on the signed sales contract.
2. If distinct fading or large area being off from the carpet occurred due to our product quality among the period of eight year warranty from the date of contract signature, we replace the equal area of new turf for the buyer for free.
3. If the frequent using area replacing needed in the period of five-year from the date of contract signature, we only collect the cost of the turf.
4. We provide maintaining advice for reference if the carpet damaging area caused by improper installation or usage.

Top Joy offers a 8 year warranty against discoloration and UV degradation of the fibers, depending on the intensity of the sun at the installation location. After all, the intensity of sunlight is different in northern countries such as Sweden and countries with very intense sun and heat like Dubai.

The quality of the product is most apparent when the artificial grass is installed by a professional trained by Landscape Solutions. Artificial turf is a product that should only be installed by a professional in order to ensure the best possible result. The right type of base also plays an important role.

The base should be constructed under the following requirements:

- Be stable
- Certain tensile strength
- Without crack and wave
- Density should be 90%
- Without frost-heaving or freezing situation caused by humid surface flat requirements: the qualified rate should more than 95%, the unevenness cannot exceed 4mm within 3m length of a straight course in any direction
- The surface should be turtle shape, with a slop of 0.4%-0.6%

The first three month after the installation is the steady-turning period, within this period, the whole compete carpet field should be maintain each week so as to keeping the grass yarn upright.

To get the very most out of Top Joy and to extend the life span of the artificial turf, a certain degree of maintenance is required. This means removing all debris, such as leaves, and brushing the grass cover often. This

will result in many years of pleasure derived from the use of Top Joy. Artificial turf may be low in maintenance, but it is not maintenance-free! There are some basic maintenance operations that all Art Turf artificial turf fields require according to our recommended maintenance schedule.

- 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 off any spills, such as from liquids or melted ice cream.
- Pet excrement or smells can be removed using a shovel or detergent and water.
- Avoid contact with hot materials (or close proximity to glass structures) to prevent shrinkage of the grass fibers.
- Motor vehicle and heavy machine is forbid to drive in.

Other necessary maintenance procedures should be done periodically and according to the maintenance guidelines.

Inspection of line markings and seams – In the unlikely event that line markings or seams come apart, then you need to repair them as soon as possible.

Infill topdressing – For high traffic areas, rubber may need to be added to the top layer of infill. Snow Removal – Snow must be removed according to field-friendly guidelines.

The above guarantee shouldn't be applied if the damaging area caused by:

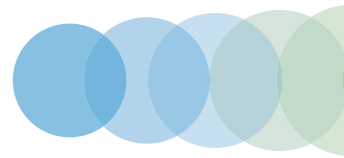
- Incorrect installation;
- Burning, cutting, force majeure, destroying on purpose, ill-use, negligent behavior, and etc.
- The disqualification of the field base, such as concrete, cement, asphalt, or sand, and etc.
- Using improper shoes or equipment, and etc.
- Cleanser, weedicide, pesticide, or other chemical product.
- Improper cleaning, maintaining, and etc.

The normal wear of the carpet by use depends on the using frequencies and local climate condition, and it doesn't belong to production defect.

We do not bear the test/ inspection/ consultation expense and charges from the buyer or other people/ company/ organization.

The final right of interpretation of the warranty guide is with Top Joy International Trading (Shanghai) Co.,Ltd.

HOW TO INSTALL ARTIFICIAL GRASS



The basic construction requirements

The basis of artificial turf can be divided into three basic materials: cement concrete, asphalt and three seven lime oil.



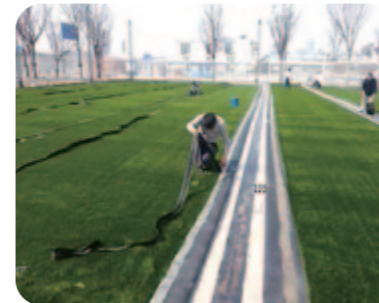
step1: Unroll the artificial grass carpet on the leveled foundation and leave them for a few hours for the natural extension.



step2: Cutting the grass edges to fit the field size before you glue the seams.



step3. Joining the tape in place.



step4: Cutting the turf on white lines.



step5: Cutting the right size of the white grass.



step6: Brushing glue on the tape and the edges of two grass carpet.



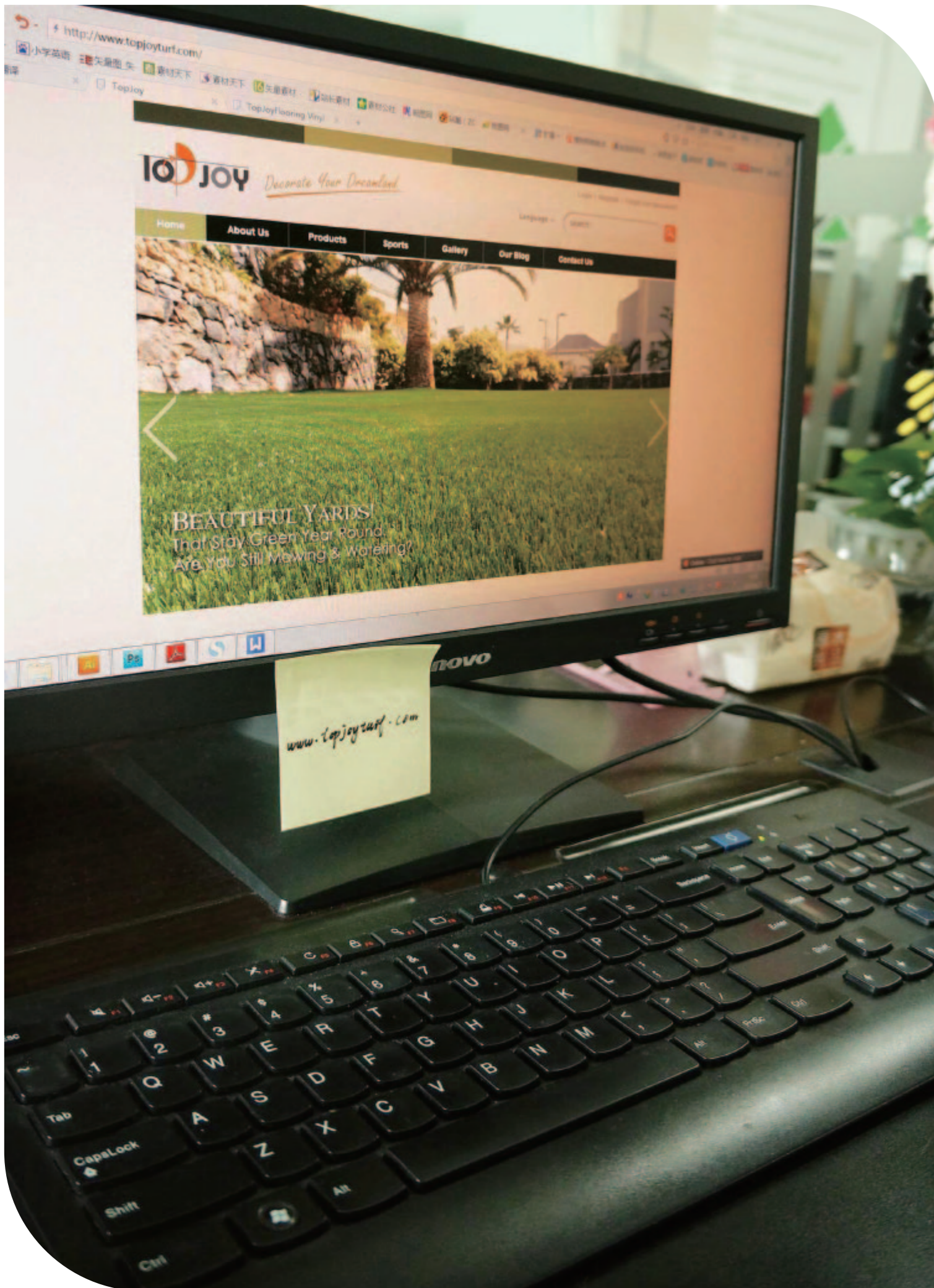
step7: Putting the white grass in the right place.



step8: Cutting the green grass which overlap on the white grass.



step9: Step the joint by foot or wooden hammer to keep the joint strong.



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www.topjoyturf.es

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