iBuildGreen

ECO SOLUTIONS

ECO

A brand new innovative backing system

Recyclable

Global warming

Global warming is the unusually rapid increase in Earth's average surface temperature over the past century primarily due to the greenhouse gases released as we burn fossil fuels. "Fossil fuels" refers to natural resources composed of carbon elements such as oil, coal, and wood. The bigger "Carbon" consumption, the more "CO2" which causes global warming.

Greener living: less carbon consumption, less CO2!

Disposal & recycle of artificial turf

With the popularization of artificial grass around the world, more than 300 million square meters turf are used in sports, gardens, decoration, municipal construction and other fields every year. Around 100 million square meters of artificial turf need to be treated after its lifespan. The disposal of artificial turf has become a major issue in the industry.

Why ECO?

Energy savings

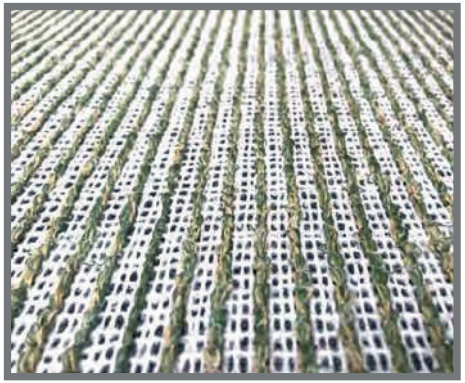
We have been evaluating how to improve the productivity, while reducing carbon consumption, and we found a way through a new improved backing.

More sustainable

It has become more widespread to use recycled materials in the production of artificial turf. Still, there is a huge difficulty in the disposal and recycling of artificial turf, especially with the backing which is not easy to process.

Brand new backing system

Different from the traditional backing - SBR Latex & PU, the ECO series is manufactured with a brand new innovative backing system, with environment-friendly Eco glue. It has not only a distinctively fresher look, but also solves the recycling problem.



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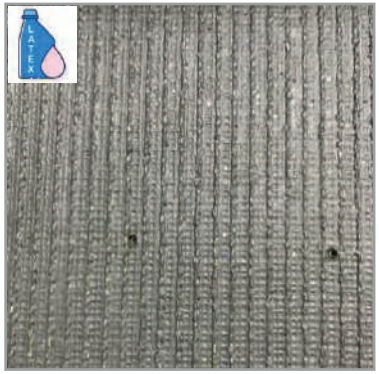
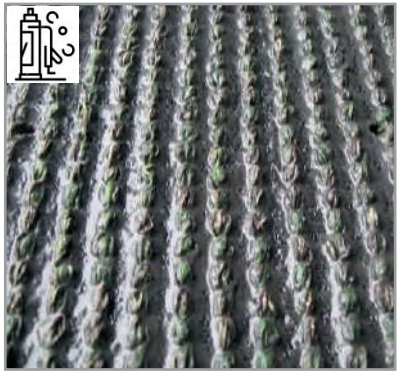




ECO

Comparison of backing systems

- Material: New patented ECO formula
- Sustainability: Recyclable
- Water permeability: ≥120L/min/m2
- Appearance: Transparent white design, fresh and natural
- Economy: The most cost-effective in view of achieving asthetics, performance, eco-friendliness etc.
- Binding Force: Excellent

- Material: SBR Latex
- Sustainability: Unrecyclable
- Water permeability: ≥60L/min/m2
- Appearance: Black
- Economy: Commonly used and comparatively lower price
- Binding Force: Excellent

- Material: PU
- Sustainability: Unrecyclable
- Water permeability: ≥60L/min/m2
- Appearance: Black
- Economy: Mainly applied in high-end market with relatively higher cost
- Binding Force: Excellent

What is “ECO”?

“Perfect combination of recycling and energy-saving!”

100% recyclable turf, environment-friendly.

0.06g Carbon consumption will be reduced for every square meter of ECO turf.

20% lighter backing, more flexible, easier installation.

What is the benefit of “ECO”?

Recyclable

The complete turf can be recycled.

CO2 Reduction

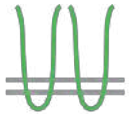
CO2 will be reduced in the production process of Eco grass.

Light & Flexible

Weight of ECO turf is 20% lower than standard turf. Another feature of the ECO backing is that it is more flexible and therefore easier to install.

Good Drainage

Twice the water permeability compared to regular turf, with this particular ECO backing system.



Strong Binding Force

The ECO backing system increases the binding force of the grass fibers by 20 %, up to 35nm, due to the special glue used.

Natural Resources Saving

Eco turf saves energy and offers a positive impact on the consumption of natural resources.

How ECO easier the recycling?

Recycling process of artificial turf

1

Cleaning

Dirt or infill need to be separated from the turf.

2

Shredding

The complete turf will be separated and shredded, but ECO turf has made this process simpler!

3

Agglomeration

After shredding ,the plastic granuales will be put into agglomeration by a customized formula

4

New plastic products

The RECYCLED materials can be used to produce many different types of plastic products, such as fitness trails, flowerpots, laminate floors, etc.

ECOGRASS

- when you want greener grass

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