



Urban Hybrid Collection



Solid synergy of natural grass and artificial grass

Who is Avalon Grass?

We love to share our passion with you

From parks to sports fields, roundabouts, balconies, and playgrounds—the applications of artificial grass are endless. With 30 years of experience, creativity, and reliable service, Avalon Grass offers high-quality artificial grass products.

We develop artificial grass for landscaping, sports fields, and playgrounds, with the most natural look and best performance. Avalon Grass is the all-round Dutch manufacturer of artificial grass for Lawns & Landscapes, Multisports, and specialties such as Golf, Petgrass, Ecogress, and... **Urban Hybrid**.

We use only high-grade raw materials and offer a 7-year warranty on all our products.

This brochure contains all the practical and technical information about our proudly Dutch-made specialty: **Avalon Urban Hybrid**.



What is hybrid grass?



What is Hybrid Grass?

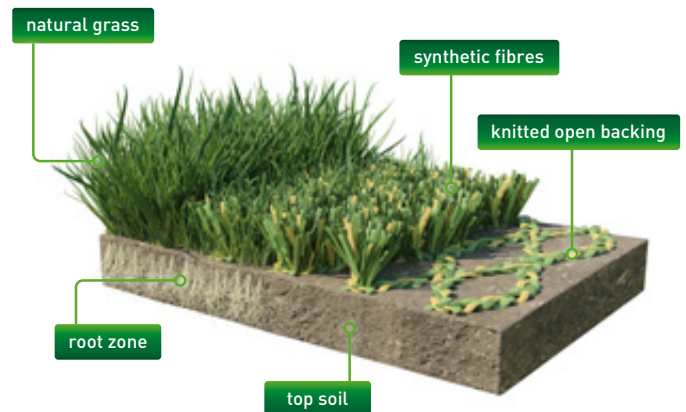
Avalon Urban Hybrid, also known as reinforced natural grass, combines the best of both worlds: natural grass strengthened with artificial grass in the root zone. It is a unique product made in the Netherlands, offering the feel and appearance of natural grass with the durability and consistent quality of synthetic grass—resulting in a green lawn 365 days a year.

3x Stronger than Natural Grass

As a general rule, Avalon Urban Hybrid makes natural grass up to three times stronger. This means that if regular grass can withstand about one hour of use per day, hybrid grass can handle up to three hours of use per day.

Protection for Natural Grass

In addition to its protective effect against wear and tear, Avalon Urban Hybrid also ensures that the natural sod remains intact – even if the natural grass gets worn down. This means that even during periods of heavy use, the hybrid system gives new grass a better chance to grow.



How is hybrid grass made?

Avalon Urban Hybrid is a durable, knitted artificial grass mat, manufactured in our own factory.

The hybrid mat features large openings in a honeycomb structure, with fibers of various pile heights. These generous openings allow natural grass to grow through effortlessly.

The unique knitted honeycomb structure reinforces the root zone of the natural grass. Additionally, the artificial fibers protect the grass blades from wear caused by foot traffic and play.

Products in the Avalon Urban Hybrid Collection are developed and produced by Avalon Grass and are exclusively available through Avalon Grass.

Product Specification: Natural Eco

Natural Grass:	25%
Artificial Grass:	75%
Hole Size:	18 x 35 mm (+/-10%)
Color:	Natural Grass Green
Pile Height:	18 mm
Roll Dimensions:	420 cm width x approx. 50 m length



Applications

Avalon Urban Hybrid is the perfect solution for any location where natural grass can grow, with added root zone reinforcement for long-lasting results.

Thanks to its unique open knitted structure, it can be installed in a variety of locations such as playgrounds, sports fields, gardens, festival grounds, and more!

Avalon Urban Hybrid is especially used in playgrounds and small sports fields that experience heavy wear, to keep the natural grass in top condition.

Applications of Avalon Urban Hybrid:

- Sports (golf, football, rugby, and cricket)
- Schools (schoolyards, mini-pitches, play structures)
- Public Areas (paths, high-wear grass surfaces, dog parks)
- Erosion Control (slopes and dikes)
- Around the Home (front & backyards, patios, terraces)

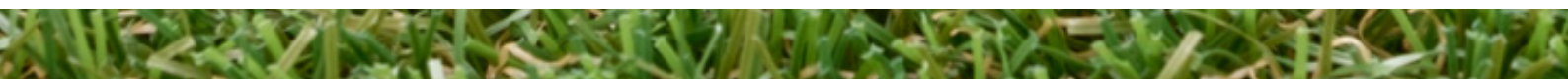
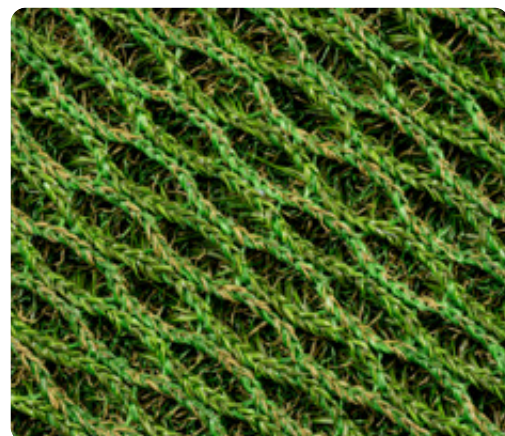


The advantages of Avalon Urban Hybrid



The advantages of Avalon Urban Hybrid

- A green lawn, 365 days a year
- The look and feel of natural grass with the durability and consistent quality of synthetic grass
- 100% recyclable
- Same maintenance as natural grass
- Fully draining
- Erosion-resistant
- Developed and produced in the Netherlands
- Exclusively available from Avalon Grass
- Easy to install
- 7-year warranty



Hybrid grass and the environment

At Avalon Grass, we take nature, climate challenges, and the environment very seriously.

100% Recyclable

Avalon Urban Hybrid products require no infill. During development, we intentionally considered the recyclability of the product. We carefully selected yarns from the same product family, which makes full recycling possible. The entire grass mat can be removed and recycled at the end of its lifespan.

Recycled Material

Avalon Urban Hybrid also contains up to 30% recycled material in its yarns. This ranges from post-industrial waste from the factories of Schramm and United Works to recycled materials including yarn remnants, yarn extrusion waste, and semi-finished products

100% Plastic-free and compostable pins

Our installation pins are made from potato starch and natural dyes. They are 100% free of plastic and compostable within 2 to 4 years. Available in 10, 15 and 20 cm.

Needle and Thread

Rolls of Avalon Urban Hybrid can also be stitched together using needle and thread. This method provides extra stability on sloped surfaces. The thread used is the same material as in the hybrid product itself and is therefore recyclable.



Shock-absorbing system with Avalon Urban Hybrid

Avalon Urban Hybrid with shock absorption is a unique and innovative certified system from Avalon Grass, specifically developed and produced for the safety zones of children's playgrounds.

The system is made from lightweight materials and provides the perfect impact-absorbing surface for play environments. The certified system consists of Urban Hybrid installed over a humus-rich top layer, sand, and an open-structured PE-foam filled with coconut fibers. This construction results in a surface with a certified HIC (Head Injury Criterion) value of up to 3.9 meters.

This system offers excellent shock absorption, and due to its open structure at the base, it creates an ideal environment for the optimal growth of natural grass roots. The result is the perfect combination of a natural-looking, soft, and safe play surface with excellent drainage.



Installation & Maintenance



Quick and Easy Installation

Installing Avalon Urban Hybrid is very straightforward. The system requires minimal or even no preparation of the subbase.

Maintenance

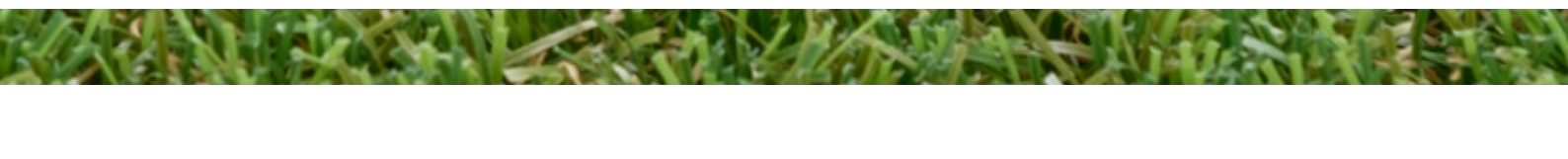
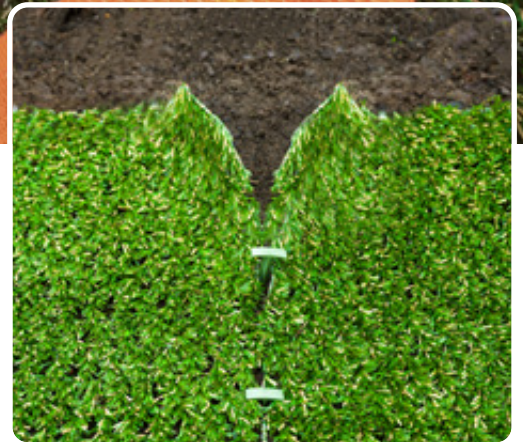
Maintaining Avalon Urban Hybrid is similar to maintaining a natural lawn.

Mowing

The ideal mowing height is 30 to 35 mm. If the surface is uneven, it is not recommended to use a rotary mower. In such cases, a hover mower or edge-trimmer is a better option to prevent the Urban Hybrid grass from getting caught in the mower.

Growth and Aeration

To ensure healthy growth of the natural grass, regular watering and fertilization are recommended. Avalon Hybrid Grass helps distribute pressure across the lawn, resulting in less compaction of the root zone compared to a lawn made of only natural grass. However, aeration is still recommended once or twice per year. Avoid using equipment that could cut into the Urban Hybrid grass, use aeration spikes instead.



Installation on an existing natural grass lawn



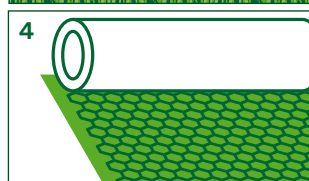
1 Measure and mark the area where Avalon Urban Hybrid will be installed, and clear it of stones and weeds.



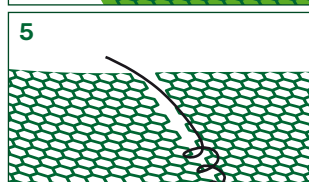
2 Mow the grass to a height below 2.5 cm.



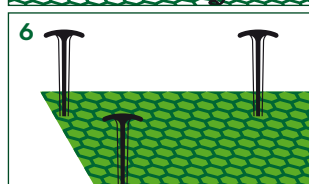
3 Loosen the lawn using a hand rake or a scarifier.



4 Unroll the Avalon Urban Hybrid rolls, allowing for 5–10% stretch when anchoring the mat.

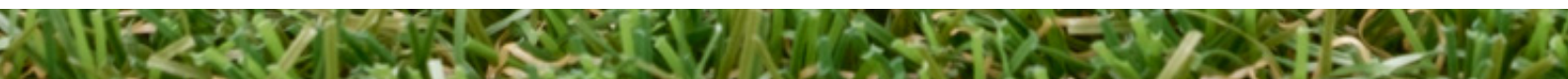


5 Stitch the rolls together using the provided needle and thread.

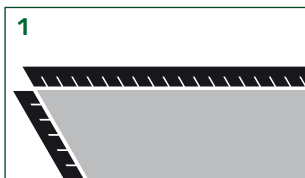


6 Evenly stretch the synthetic grass and anchor the mat with the supplied biodegradable pins.

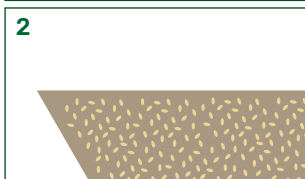
This low-threshold installation method creates a reinforced natural grass surface within 8 weeks.



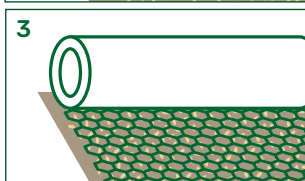
Installation on a subbase prepared for natural grass



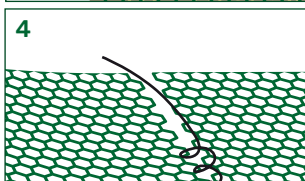
1 Measure and mark the area where Avalon Urban Hybrid will be installed, and remove all stones and weeds.



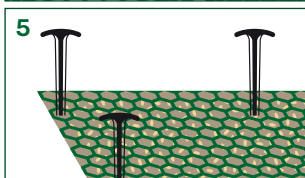
2 Prepare the soil for natural grass growth and sow grass seed.



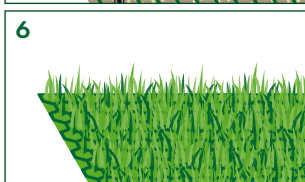
3 Unroll the Avalon Urban Hybrid rolls, allowing for 5–10% stretch when anchoring the mat.



4 Stitch the rolls together using the provided needle and thread.



5 Evenly stretch the synthetic grass and anchor the mat with the supplied biodegradable pins.



6 After one week, natural grass will begin to grow through the synthetic grass.

Within 12 weeks, the grass will be ready for its first mowing.





The business-to-business producer of artificial grass products

Avalon Grass has been the business-to-business manufacturer of artificial grass products for over 30 years. We are dedicated to using our expertise, creativity, reliable service and passion to deliver the optimal artificial grass product. In addition to traditional artificial grass products, Avalon Grass develops and produces its own innovative artificial grass products: Petgrass, Urban Hybrid, Ecoglass, Golf. In doing so, we follow developments within the industry and consciously opt for a pioneering role.

The Avalon Grass artificial grass collections and products are used internationally for multifunctional applications. From parks to sports fields, from lawns to roundabouts, from balconies to playgrounds. Thanks to the combination of traditional and innovative artificial grass products, you can optimally serve your customer in filling outdoor spaces.

At Avalon Grass, we develop and produce our own artificial grasses in the Netherlands using high-quality materials. We now create a broad spectrum of non-directional artificial grasses. As a company, you can approach us for artificial grass products with a natural look, unique properties and perfect performance.

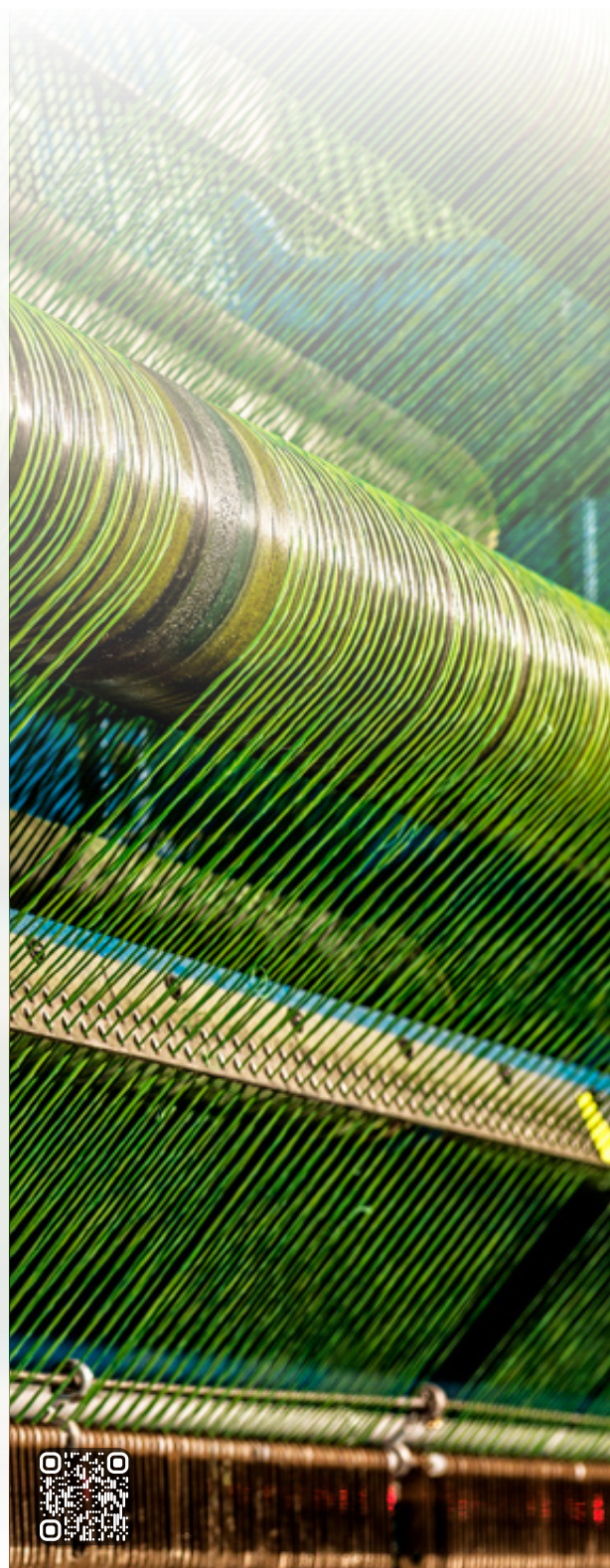
We are member of ESTC

ESTC is short for EMEA Synthetic Turf Council. It is the trade association for the artificial turf industry in Europe, the Middle East and Africa. Together with its members, it proactively contributes to the promotion, development and growth of the artificial turf industry. This includes continuous work on improvements for artificial grass products. Such as optimising the recycling of artificial grass products, developing alternatives to artificial synthetic infill for sports turf and contributing to biodiversity. These are also important themes for Avalon Grass, which is why we are wholeheartedly a member of ESTC.



Avalon B.V.

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passion for grass