

NR7



Gençlerbirliği Football Academy Stadium, Turkey, Ankara

REVOLUTION DBF

A NEW ERA OF THE ARTIFICIAL GRASS PRODUCTION



WHAT IS REVOLUTION DBF?

Revolution DBF is the second generation of the Revolution Grass, which was designed and passed the FIFA Q-Pro tests without the need of stabilizing infill, using only 2kg/m² organic infill.

It is an innovative product created by adding an additional layer of weaving onto traditional synthetic turf backing cloth.

The product features a root zone covered by an additional tufting layer.

Root zone consists of densely textured PE fibrillated yarns.

After the production of the root zone, it is combined with straight and curly Monofilament yarns.



WHAT IS THE SIGNIFICANCE OF THIS?

Revolution DBF represents a new tufting method in the artificial grass industry.

It is a milestone in the quest for fully recyclable and environmental friendly artificial turf.

Production method eliminates the need for stabilization infill.

The system requires only 2 kg/m² of organic infill in order to effectively eliminate the static electricity on the surface, while ensuring it meets skin friction test requirements.

The product fulfills all FIFA Q-Pro performance requirements without requiring any additional stabilizing or performance infill.

WHAT SETS REVOLUTION DBF APART FROM OTHER 3G ARTIFICIAL TURFS?



Revolution DBF utilizes a patented production method.



It sets itself apart from traditional 3G synthetic turfs through its innovative dual-weave production technique.



It consists of three levels: the root zone, thatch zone, and the free pile.



The root zone replaces the sand infill layer in 3G carpets.

The thatch zone replaces the performance infill layer in 3G carpets.



HOW DID THE DESIGN AND MANUFACTURING PROCESS OF THIS PRODUCT EVOLVE?

- ◆ Twelve years ago, there was a growing demand for artificial turf, primarily for use in football tournaments and various sports events. These products were typically designed for short-term or daily use and needed to be easy to install and dismantle. This inspired us to develop an artificial turf suitable for playing football that would not require sand or rubber infill.
- ◆ Based on the dual-weave principle, we produced the first version of Revolution Grass in 2014.
- ◆ Encouraged by positive feedback, we decided to subject the product to FIFA tests and use it on full-size football fields. The first FIFA-approved Revolution Grass, which used only 5 kg/m² of silica sand, successfully passed the FIFA test and received certification in Copenhagen.
- ◆ After changes were made to the 2015 guidelines regarding non-filled artificial turf, our product failed the surface friction test.
- ◆ These changes motivated us to improve Revolution Grass to meet new standards.

WHAT ADVANTAGES DOES REVOLUTION DBF HAVE?

System does not require silica sand.

Since the system is self-filled with thatch yarns, it only needs 2kg/m² of organic infill to comply with FIFA Q-Pro Standards.

Thanks to its very thin performance infill layer, the surface infill consistency remains unchanged as it is played on.

Coconut shell infill fits well into the curly monofilaments in the thatch layer, resulting in a much slower reduction in infill levels and less infill bounce compared to traditional synthetic turf.

It provides long-lasting and unparalleled playing comfort for athletes.

Excellent water permeability
Lower maintenance cost.



KEY TAKEAWAYS

Revolution DBF represents a new tufting methodology in the artificial turf industry.

It is a turning point in the quest for artificial turf that performs at FIFA standards without requiring any infill.

It offers FIFA-standard game comfort without the requirement of any sand or plastic infill.

It is an environmentally friendly product.



1000732

NR1

nurteks.com.tr