

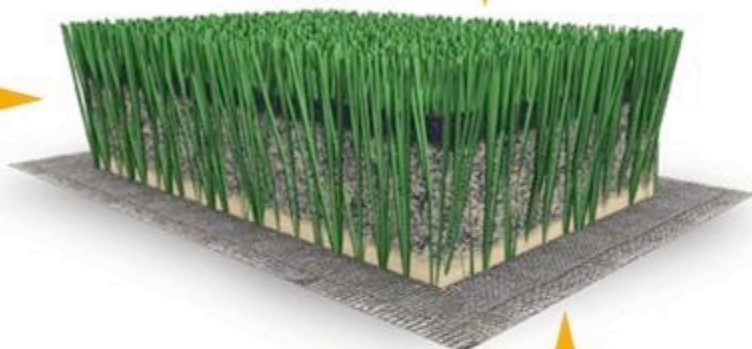
# THE FIELDturf<sup>®</sup> MONOFILAMENT SYSTEM

## Fiber

A durable "spine" runs vertically through the center of each fiber providing unmatched "memory" and resistance to matting. Treated with UV inhibitors, the fiber is more resistant to foot traffic yet remains silky and non-abrasive.

## Infill

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## Backing

The backing is made of a combination of permeable woven and non-woven polypropylene fabrics to provide exceptional strength and unmatched vertical drainage.



Silica Sand



Cryogenic Rubber

## Fiber

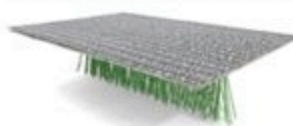
The arched profile of this monofilament fiber is based on similar structures found in nature. Extruded through a "spinnerette," this "true" monofilament fiber delivers unmatched durability, especially resistance to wear. Tests indicate that although this fiber is far more durable, it remains silky and lush, just like nature intended. The monofilament system is available in over 20 colors.

## Infill

The washed silica sand does not break down from use or heavy traffic. The cryogenic rubber is recycled rubber, frozen and shattered, creating smooth-sided spherical particles. As compared to 3 pounds of ambient rubber found in most other artificial turf, each square foot of FieldTurf contains 7 pounds of silica sand plus 3 pounds of cryogenic rubber. A base layer of silica sand is followed by up to 21 individual layers of mixed silica sand and cryogenic rubber and then topped with a final layer of specially graded cryogenic rubber which stays on the top of the infill system.

## Backing

The fibers are tufted (stitched) into the backing material in rows according to a patented wide gauge spacing formula that enables cleats to penetrate the infill material rather than the surface fiber. This provides excellent traction and very low torsion resistance that prevents injuries. Our patented "finger unit system" adds an impermeable coating over the back of each row of stitching, creating a chemical and mechanical bond for enhanced "tuft bind," leaving the rest of the backing material totally permeable and creating rows of superior drainage channels.



THE PATENTED FINGER UNIT COATS JUST THE TUFTED FIBER ROWS. THIS PROVIDES SUPERIOR STRENGTH AND LEAVES THE REST OF THE BACKING FULLY POROUS FOR UNMATCHED DRAINAGE.



THE FINISHED CARPET SECTIONS ARE LAID ON FIELD AND SEWN TOGETHER. ONCE ALL NUMBERS, MARKINGS AND LOGOS HAVE BEEN INSTALLED, THE TURF IS READY FOR INFILLING.



THE PATENTED INFILL LAYERING BEGINS WITH SEVERAL LAYERS OF CLEAN, WASHED SILICA SAND. THIS STABILIZES AND SUPPORTS THE ENTIRE SYSTEM. THIS IS FOLLOWED BY MIXED INFILL LAYERS.



A MIX OF CRYOGENIC RUBBER AND SILICA SAND IS LAYERED INTO THE SYSTEM. THE RUBBER AND SAND PARTICLES ARE A SIMILAR SIZE TO STAY IN SUSPENSION, NEITHER SEGREGATING NOR COMPACTING.



UP TO TWENTY ONE PASSES OF THE CRYOGENIC RUBBER AND SILICA SAND MIX ARE CAREFULLY ADDED. OVER 800,000 LBS OF INFILL IS LAYERED INTO A TYPICAL, FULL SIZE SPORTS FIELD.



LARGER SIZED CRYOGENIC RUBBER TOP LAYERS ENSURE THAT THE RUBBER REMAINS ON TOP, PROVIDING A SAFE, FORGIVING SURFACE.