

Desiree Adair

From: Chad Smith <austinchadsmith@gmail.com>
Sent: Wednesday, November 16, 2022 7:07 AM
To: Desiree Adair; Ashley Wayman; Alec Robinson; Makayla Rodriguez
Subject: Fwd: [Test] City Council Controversy- Little League

Follow Up Flag: Flag for follow up
Flag Status: Completed

Can you please share with City Council? Thanks!
Chad

Chad Smith
(512) 922-5431

Begin forwarded message:

From: Sean Kincaid <sean@kmisportsconstruction.com>
Date: November 15, 2022 at 5:29:29 PM CST
To:Subject: Re: [Test] City Council Controversy- Little League

Here are some FAQ's and answers

HOW IS SYNTHETIC TURF MADE?

Most synthetic turf systems installed today include a drainage layer, a multi-layered backing system, and resilient "grass" blades that are infilled with a granular filler to resemble natural turf. "Infilled" means that the man-made grass blades are interspersed with a top soil created with sand and/or granulated recycled tire rubber or other infill materials that provide the necessary stability, uniformity, and resiliency. Each blade customarily stands above the infill material. The typical blade length and system characteristics are determined by the specific activity requirements. In some applications, the synthetic turf system includes a pad or elastic layer underneath the turf, often in combination with lower pile height and less infill.

HOW IS THE NEW GENERATION OF SYNTHETIC TURF DIFFERENT

FROM THAT OF THE PAST?

Increasing demand for high quality playing surfaces and intense competition for field accessibility has given rise to a new generation of synthetic turf systems that replicate the look and feel of lush, natural grass. While the first artificial turf systems used in the 1960's and 1970's were hard, significant advancements have been made during the past few decades. By the 1990's, the first synthetic turf systems with sand and rubber infill were introduced, which dramatically improved player performance and safety. Today's synthetic turf, used by many NFL franchises, as well as member associations and teams of the Union of European Football Associations (UEFA), Fédération Internationale de Football Association (FIFA), the International Rugby Board and other international sports federations, combines the playing characteristics, look and feel of natural turf, with the advantages of increased frequency of usage, extra revenue generation, safety, longer playing sessions, fewer canceled games, and lowest cost per playing day.

HOW DOES SYNTHETIC TURF IMPACT THE ENVIRONMENT?

Synthetic turf has a measurable, positive impact on the environment. Depending on the region of the country, a typical grass sports field requires between 500,000 to a million gallons of water or more each year. During 2010, between four to eight billion gallons of water were conserved through its use. According to the U.S. Environmental Protection Agency (EPA), the average American family of four uses 400 gallons of water a day. Therefore, a savings of four to eight billion gallons of water equates to the annual water usage of over 27,000 to 55,000 average American families of four.

Tax credits and rebates are being offered to residential and corporate users by an increasing number of local governments in light of the tremendous impact on water conservation. The Southern Nevada Water Authority estimates that every square foot of natural grass replaced saves 55 gallons of water per year. If an average lawn is 1,800 square feet, then Las Vegas homeowners with synthetic turf could save 99,000 gallons of water each year or about \$400 annually. In Atlanta, homeowners could save \$715 a year, not including much higher sewer charges.

The estimated amount of synthetic turf currently installed has eliminated the need for millions of pounds of harmful pesticides and fertilizers, which has significant health and environmental implications. For example, according to the North Carolina Department of Environment and Natural Resources, polluted storm water runoff is the number one cause of water pollution in their state, with common examples including over fertilizing lawns and excessive pesticide use.

In addition, synthetic turf helps reduce noxious emissions (the EPA reports that a push mower emits as much pollution in one hour as 11 cars and a riding mower emits as much as 34 cars) and reduces grass clippings, which the EPA states are the third largest component of municipal solid waste in landfills.

IS SYNTHETIC TURF SAFE

More than 50 independent and credible studies from groups such as the U.S. Consumer Product Safety Commission, and statewide governmental agencies such as the New York State Department of Environmental Conservation, New York State Department of Health and the California Environmental Protection Agency, have validated the safety of synthetic turf (see Position Statements to learn more).

Recent highlights include:

- In October 2010, the California Office of Environmental Assessment completed its multi-year study of air quality above crumb rubber infilled synthetic turf, and bacteria in the turf, and reported that there were no public health concerns.
- In July 2010, the Connecticut Department of Public Health announced that a new study of the risks to children and adults playing on synthetic turf fields containing crumb rubber infill shows "no elevated health risks."
- The California EPA released a report dated July 2009 which indicated there is a negligible human health risk from inhaling the air above synthetic turf.
- Independent tests conducted by the New York State Department of Environmental Conservation and New York State Department of Health, released in May 2009, proved there were no significant health concerns at synthetic turf fields.
- In July 2008, a U.S. Consumer Product Safety Commission staff report approved the use of synthetic turf by children and people of all ages.

IS CRUMB RUBBER SAFE

Yes. Crumb rubber infill, made from reclaimed tires, is a popular infill option for many synthetic turf fields. It has been safely utilized since being introduced in 1997, and in playgrounds and tracks for much longer. This resilient material provides enhanced durability and safety. Its use in synthetic turf sports fields and landscape has also kept more than 105 million used tires out of landfills. Crumb rubber has been critically examined and studied since the late 1980's. Science has proven it to be safe for children and people of all ages (see Research and Latest Thinking and Crumb Rubber FAQs to learn more).

Regards,

Sean Kincaid

KMI Sports Construction

President / CEO

512-287-9636

7070 US 290

Dripping Springs, TX 78620

Facebook - @kmisports

Instagram - @kmiturf

www.kmiconnect.com

[Visit our KMI YouTube Channel](#)