

ARTIFICIAL TURF ON PEACESTEAD

The Lawrence School, Sanawar has embarked on an ambitious modernisation plan to upgrade and add infrastructure / facilities to support teaching and learning on this hill top. While the changes needed in the infrastructure / facilities have to be compatible with the needs of the 21st century, we are well aware of safeguarding our rich heritage and traditions.

One of the first major projects undertaken in this direction was the expansion and renovation of the girls' playing field 'Peacestead'.

Peacestead before renovation



Peacestead now



'Peacestead' after renovation with two basketball courts now offers an all-weather surface that is being used for a variety of sports and activities.

This field will be used mainly by the girls for playing hockey and football. The field is extensively used for various School events, the most important of them being our Founder's Day functions that showcase Mass PT, Gymnastics, Dances and the NCC Parade, all on the artificial turf.





Eminent Legacy Public Schools in UK, like Eton and Harrow and progressive schools in India like the British School in New Delhi, Heritage School New Delhi, Oak Grove School, Mussoorie, Raj Kumar College, Rajkot, American Embassy School, New Delhi and Modern School, Vasant Vihar, New Delhi and numerous other schools have artificial turfs.

Salient features of the turf used at Sanawar are highlighted below:

Materials used:

- **We have used Polyethylene for turf yarn and backing. This material is used to make products like soft-drink bottles, water bottles and many other consumer products. World over, all hockey, football, baseball and rugby fields are laid with artificial turf made of Polyethylene.**
- **They are Federation of International Hockey (FIH), Federation Internationale de Football Association (FIFA), International Baseball Federation and World Rugby Federation approved.**

- The adhesive which the School has used to lock the yarn is made of Polyurethane. It is one of the only adhesives which are water proof. It is used in the cars interiors, wind shield, in car parking as paint on the floor and more common and larger use is in number of household goods like refrigerators, where food is stored and shoe industry.
- Careful selection was made from the types of turfs available and in use the world over. The fact is artificial turf products are made by using the same methods and many of the same materials that are used in carpet making.
- The synthetic turf industry has become very sophisticated over the past several decades with very strict manufacturing requirements that keep the product safe for everyday use among all types of users including children.
- **At Peacestead we have used Sand (Silica) as the infill material. A natural product, Silica sand is derived of quartz that has been eroded by wind and water.** It is an inert substance. Even a possibility of respiratory irritation is not there as the size grading is between 0.5 -1.0 mm. It is one of the safest, most popular and least expensive of the artificial turf infill options. It creates a softer surface, does not hold odours and does not pack as easily as regular landscaping sand.
- **We have not used TPE (Thermoplastic Elastomers), EPDM, Crumb Rubber or Coated Crumb Rubber at Peacestead due to safety and health reasons.**
- **Rubber or Foam Padding that is installed in many fields has not been used at Peacestead.**

Certification:

- The turf used in Sanawar is certified to be safe by Certificate of Product Approved by FIH and Test Report for Lead / Arsenic / other heavy metals.

All Weather Utility:

- The turf has all weather utility and can be used at all times.
- In the case of severe rains or snow, this turf will not have drainage problems.

Maintenance:

- This turf is low on maintenance and requires only cleaning debris, brushing surface and topping infill levels.

Multipurpose usage:

- Another important advantage of the turf is that it has multipurpose usage.

Resilience:

- It can be used for sports and events without damaging the surface. Also it requires no rest time and is resistant to wear and tear.

Fire Safety:

- The turf used is fire retardant and will not go up in flames.

Safety From Injuries:

- Risk of injuries is lowered as the impact on knees and ankles is less in comparison to a mud and stone based ground.
- Since 20 mm of the turf base is filled with silica sand, chances of slipping and falling is lower than on a mud based ground.

Water Conservation:

- The most significant benefit of turf is in water conservation.
- This turf doesn't need water to maintain it and can simply be brushed or wiped to clean it.
- The turf uses a sub soil drainage system which means there is a provision for rain water collected to go into a sump which is further stored in a rain water harvesting unit and has the potential of going back into the water table through pipes.

Turf installed by:

Gallant Sports: <http://www.gallantsports.in/>