



BHARATHIDASAN UNIVERSITY

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Tamil nadu, India

Programme: M.P.Ed., Physical Education & Yoga

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Course Code : 21MPE14EB

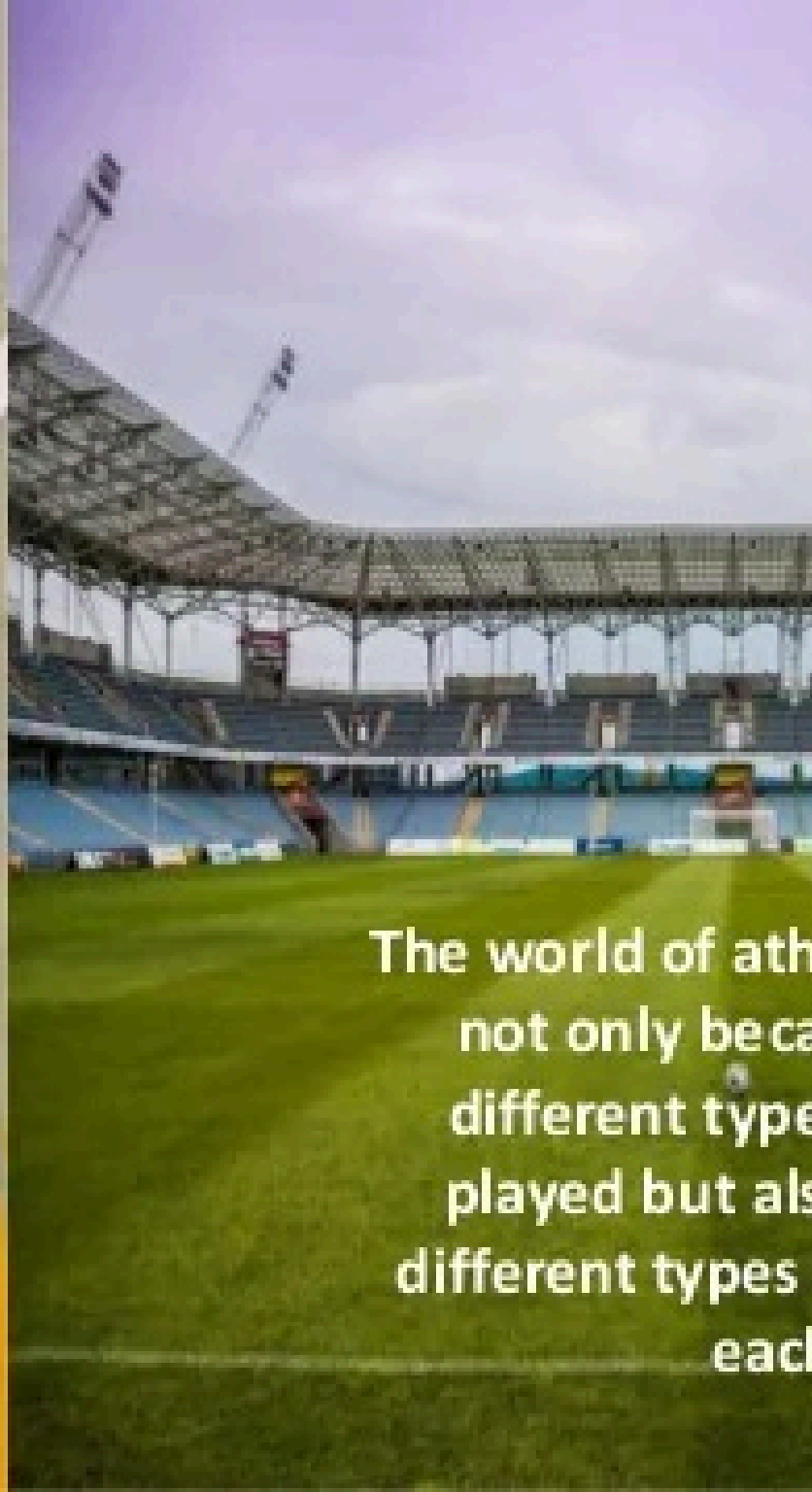
UNIT-3

Surfaces of Sports fields

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Guest Lecturer

Department of Physical Education and Yoga



The world of ath
not only beca
different type
played but als
different types
each



All sports are physically demanding and carry a risk of injury. While some injuries are inevitable, many can be prevented. Athletes are playing more sports than ever before, and the type of sports they play is changing.



Sports flooring is
care to provide
well as a suitable

s



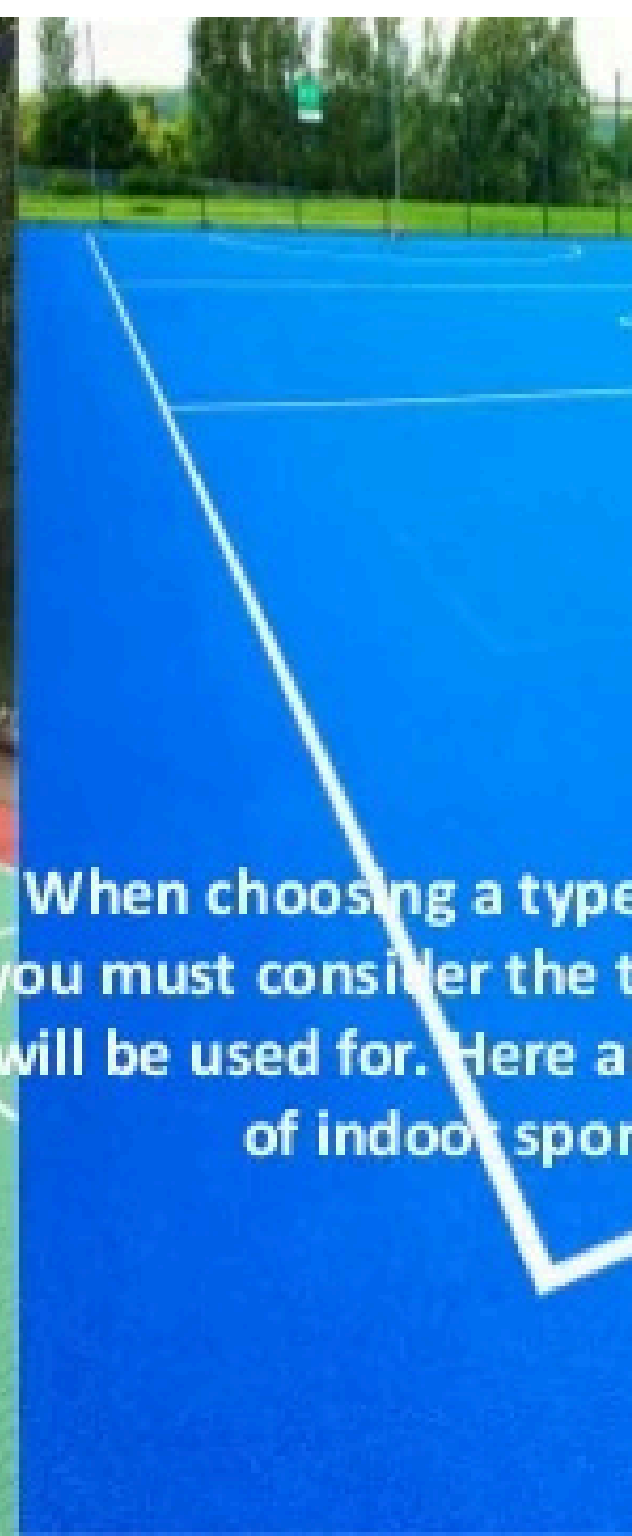
Here are
on the diff
flooring c
outdoor

Indoor sports flooring



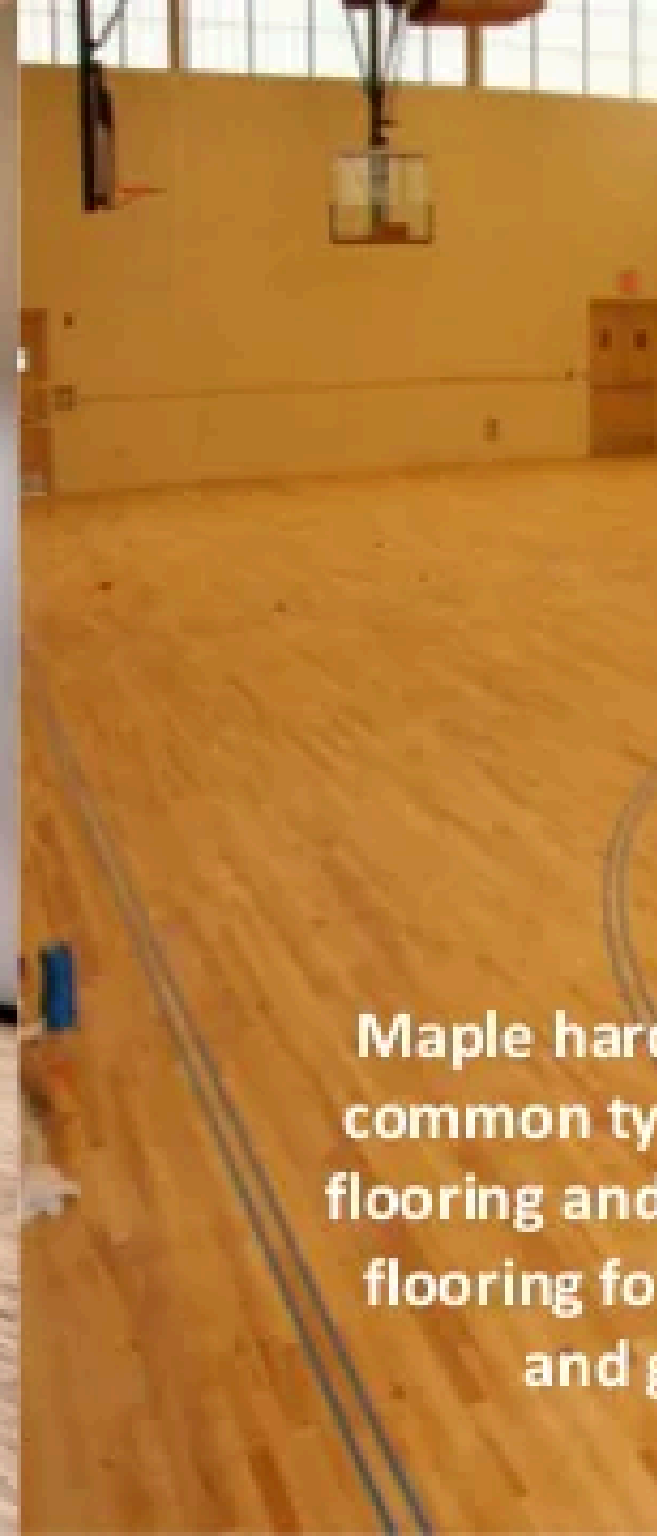


There are many sports
indoors like basketball,
tennis, track even
different types of
used to accommodate

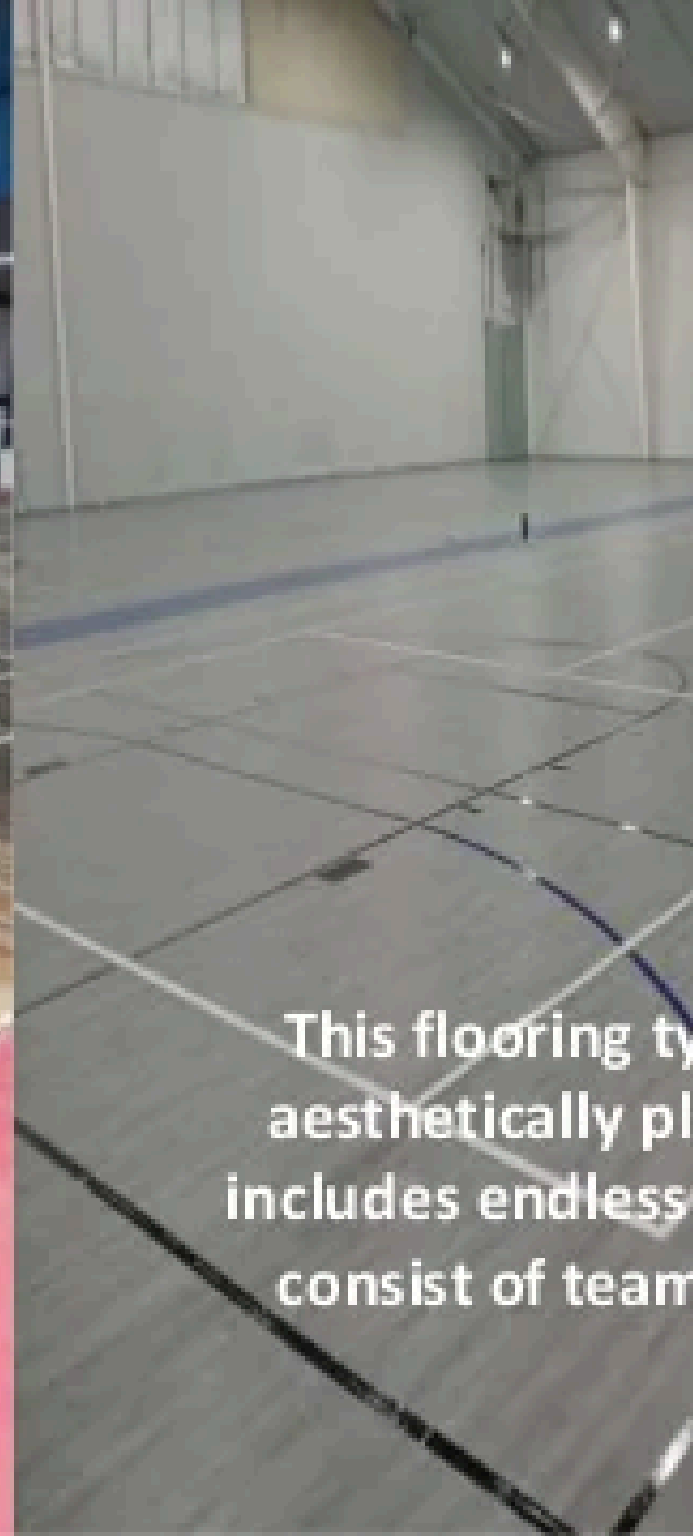


When choosing a type of indoor sports court, you must consider the type of sport that will be used for. Here are some examples of indoor sports:

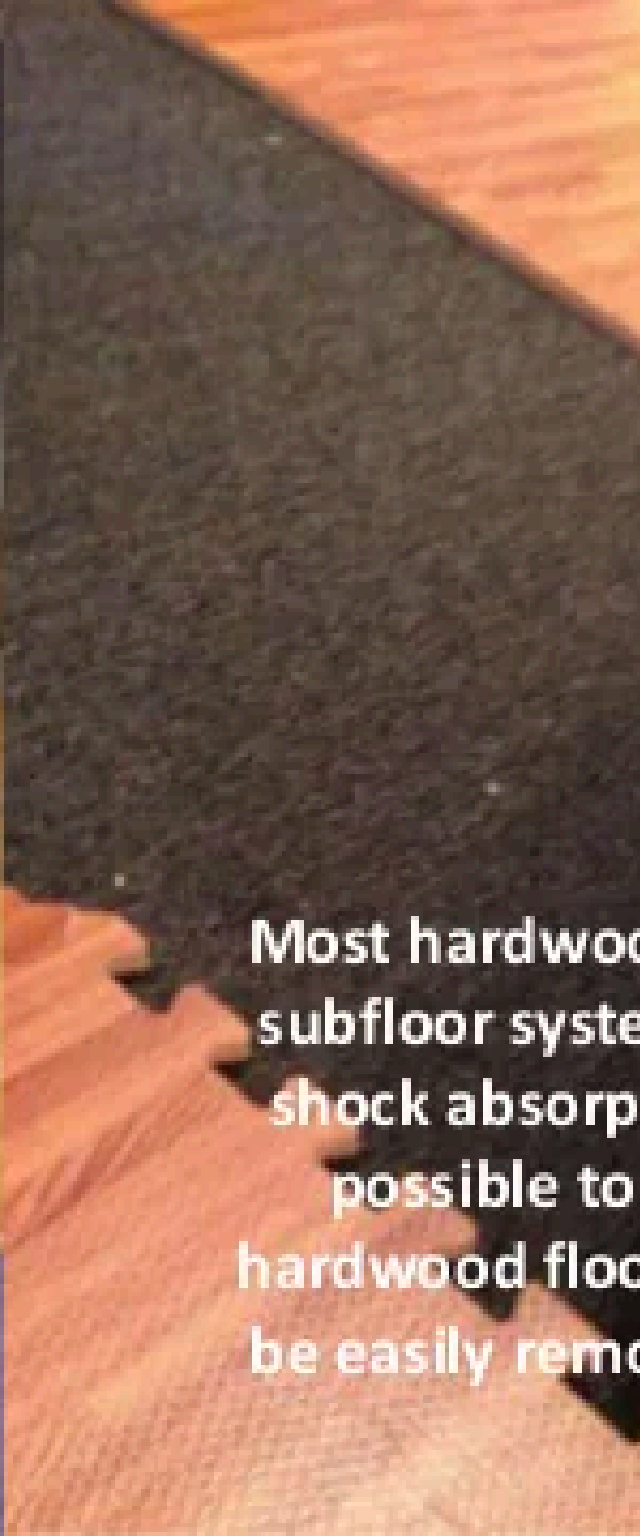




Maple hardwood
common type
flooring and
flooring for
and g



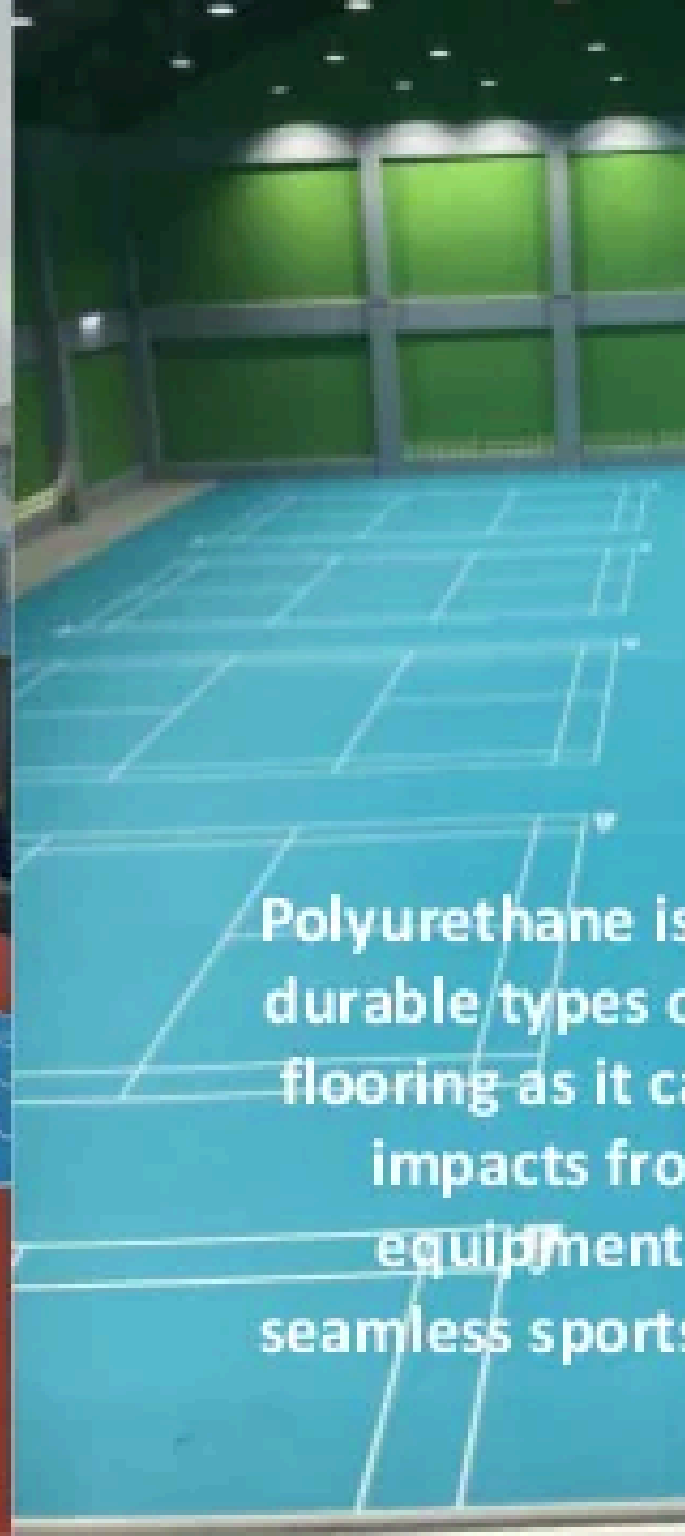
This flooring type is aesthetically pleasing and includes endless color options. It consists of team



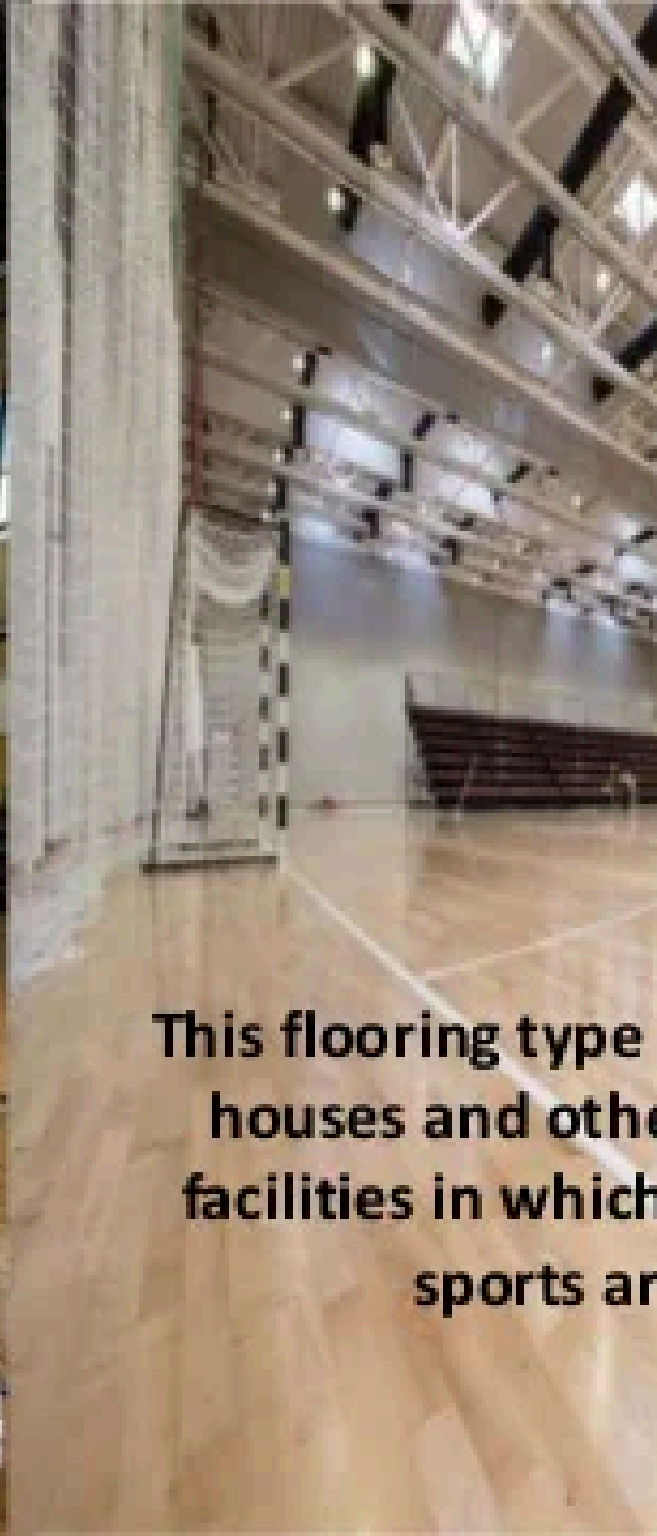
Most hardwood
subfloor systems
provide shock absorp
tion, making it
possible to
install hardwood floo
rings that can
be easily remo

**Polyurethane
athletic flooring**

The image shows a close-up view of a green polyurethane athletic floor. The floor is marked with white, yellow, and red lines, which are typical for basketball or volleyball courts. The background is a blue sky with white clouds. A black-bordered box is overlaid on the top left of the image, containing the text 'Polyurethane athletic flooring' in a bold, green, sans-serif font.



Polyurethane is a durable type of flooring as it can withstand impacts from heavy equipment. It is a seamless sports flooring.

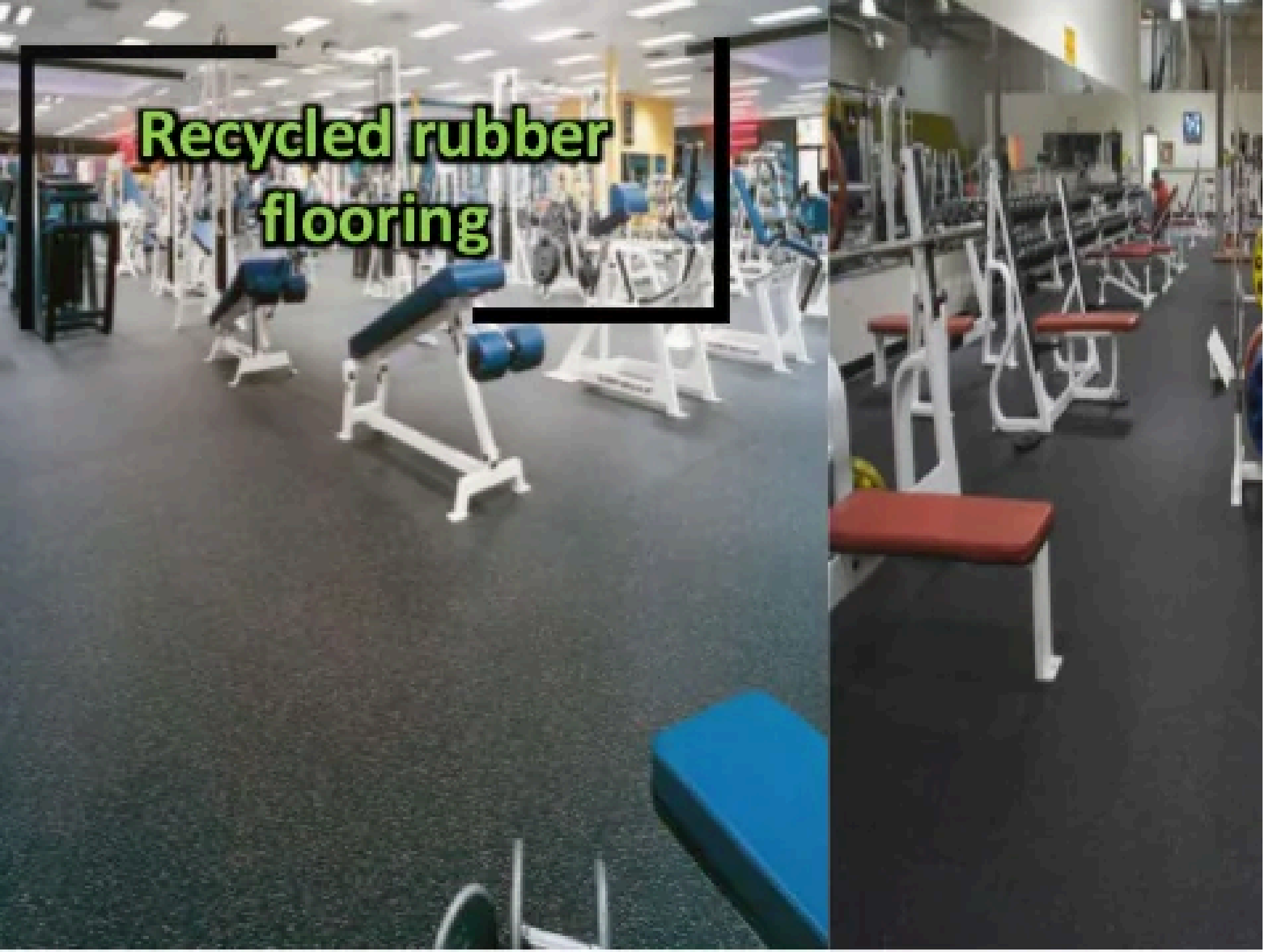


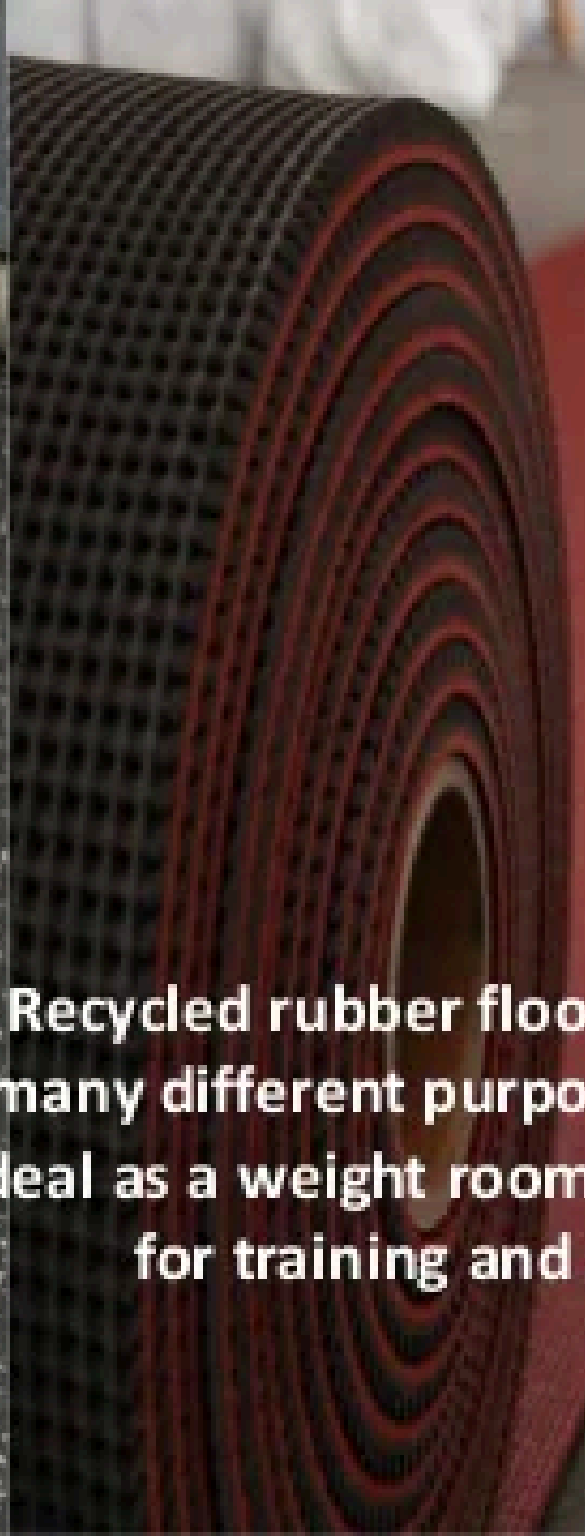
**This flooring type
houses and other
facilities in which
sports are**



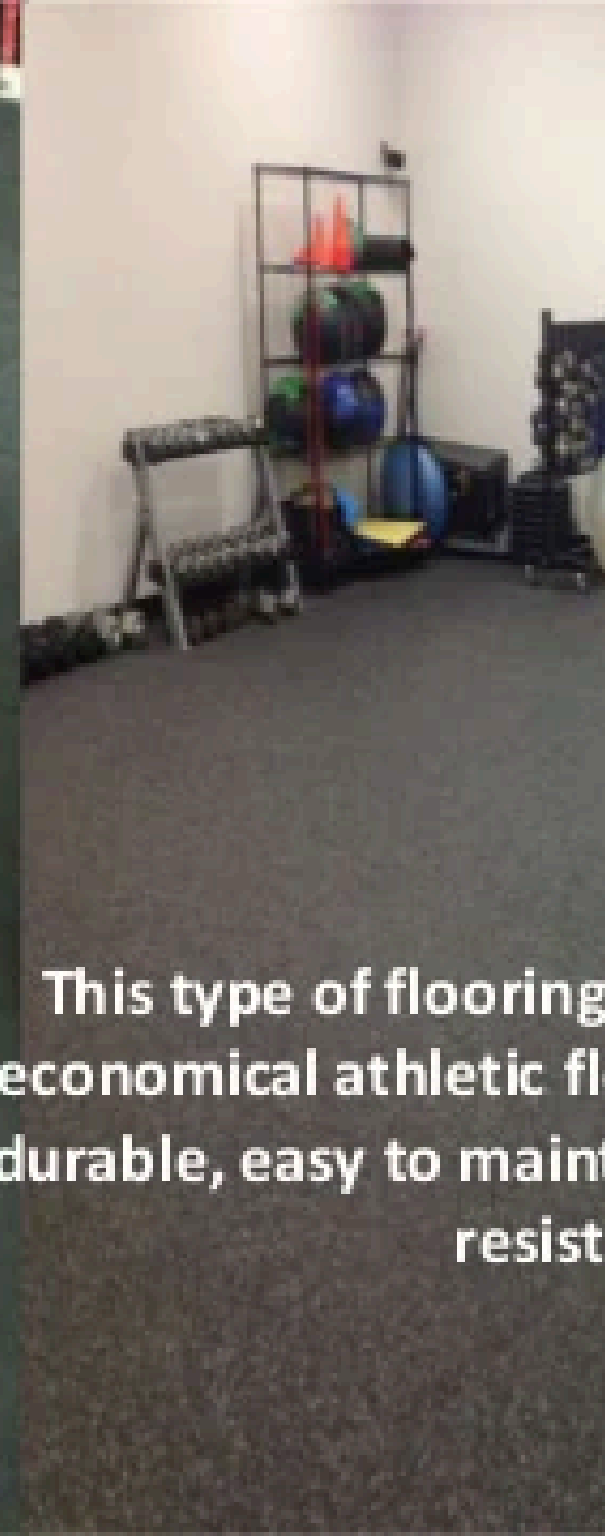
polyurethane
highly customi
type of gym f
ce

**Recycled rubber
flooring**



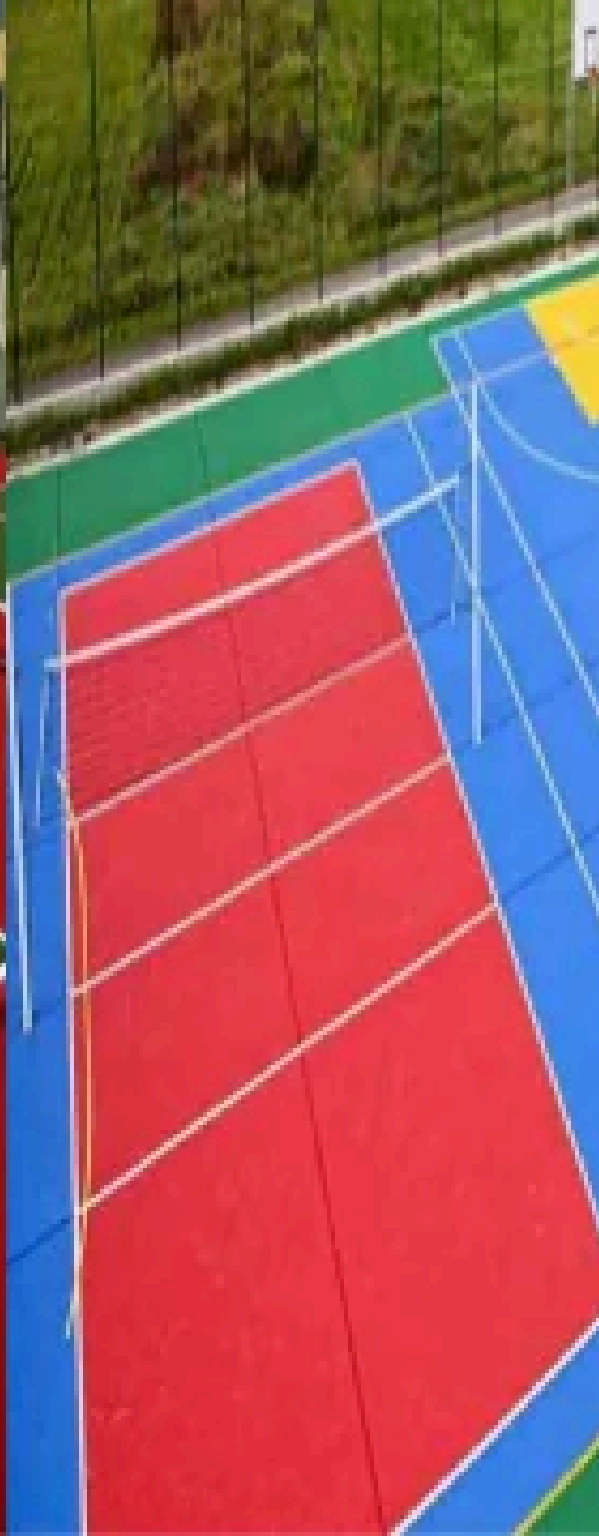


**Recycled rubber floor
for many different purposes
is ideal as a weight room
for training and**



This type of flooring is economical, athletic, durable, easy to maintain, and resistant to wear.

Outdoor sports surfaces





The two wide
athletic surfaces
and field surfaces

Track and field



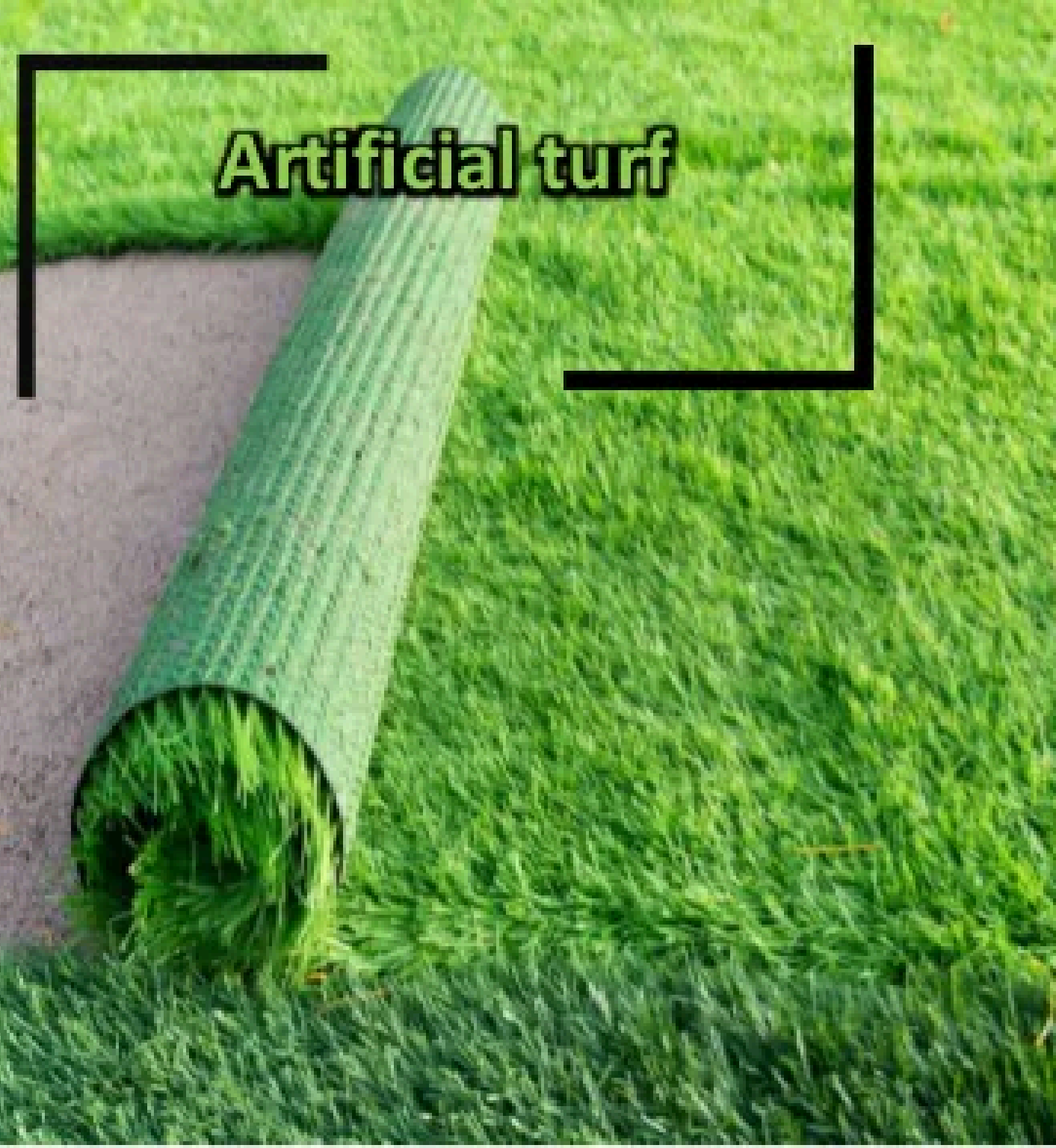


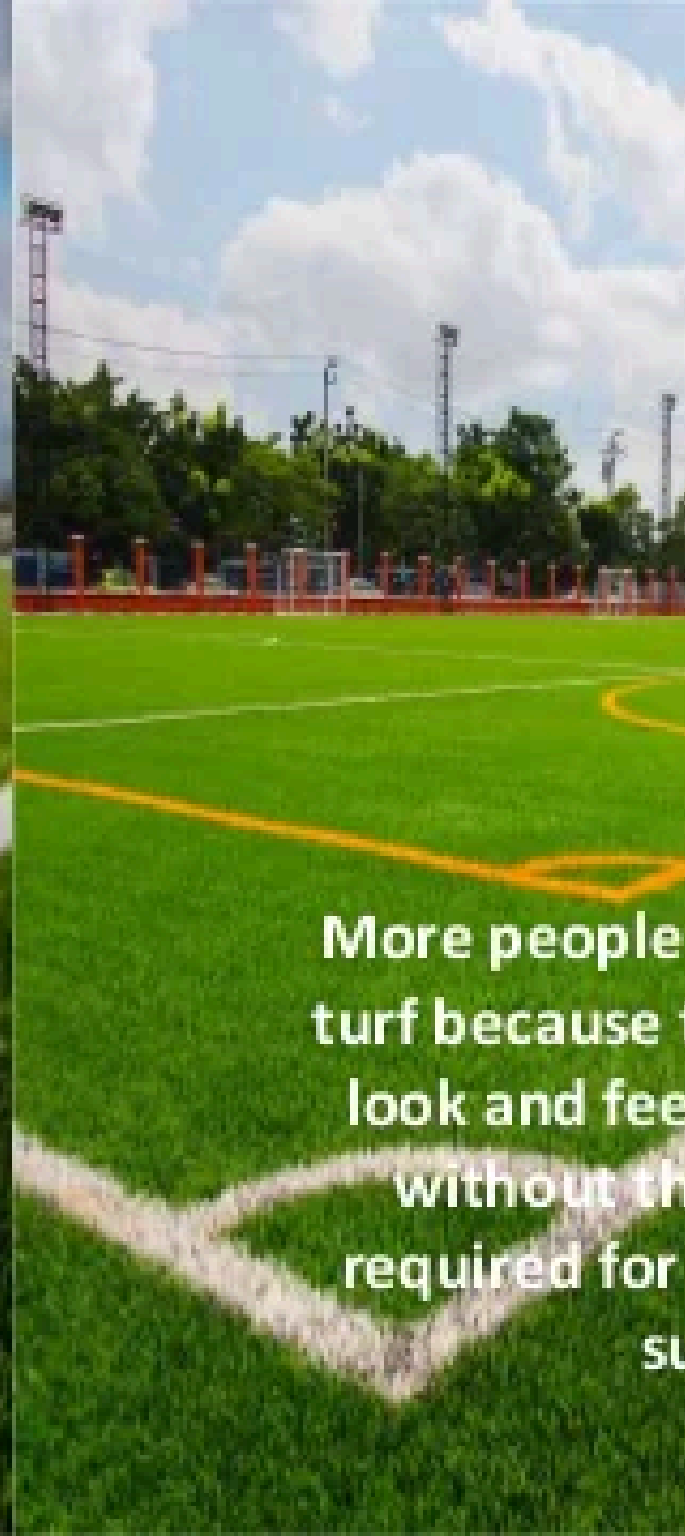
Track surface
from recycled
that provides
and shock a
common in



Track surfaces
effectively dra
the surface
vulcanized rub
durable and

Artificial turf



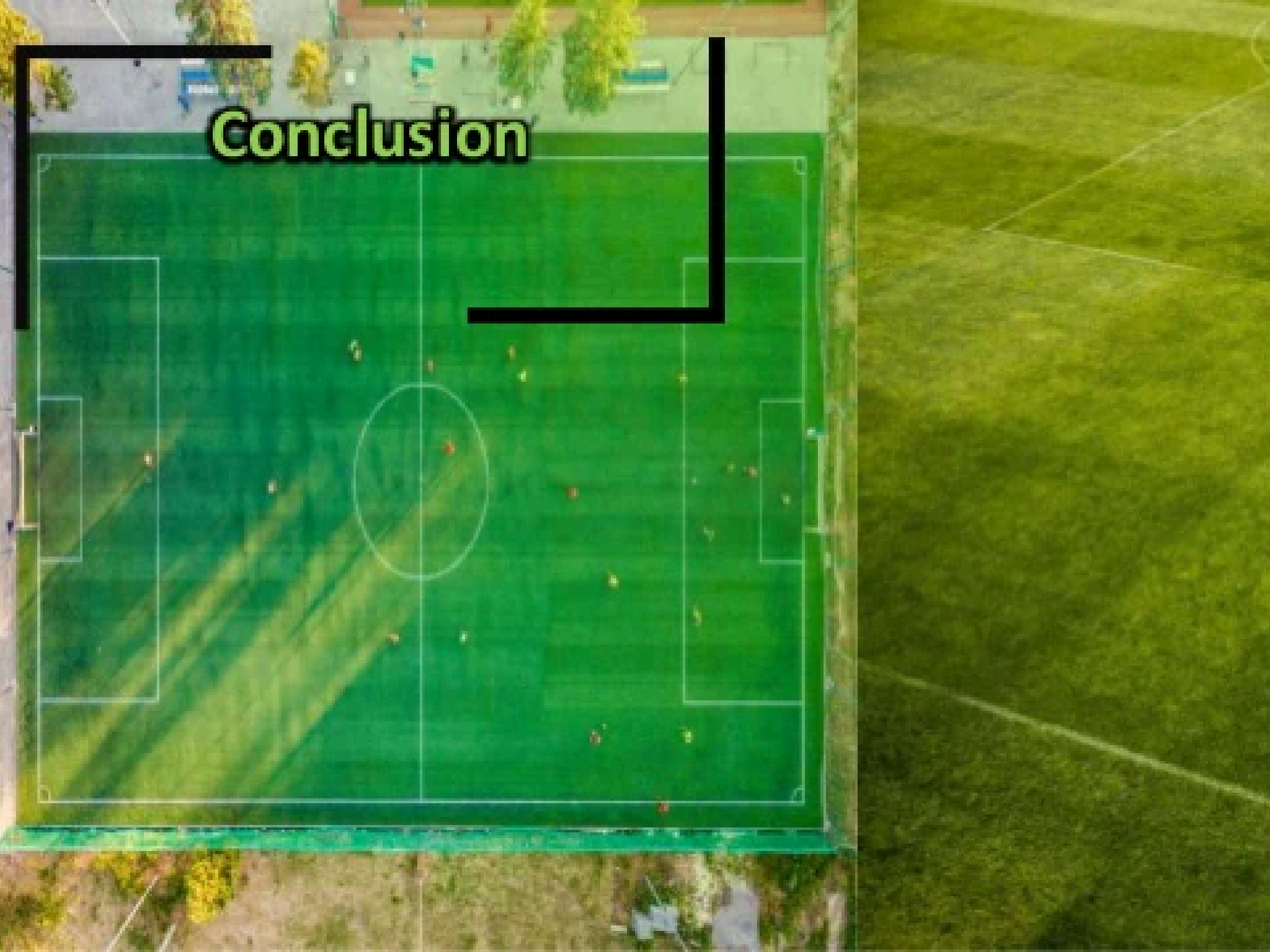


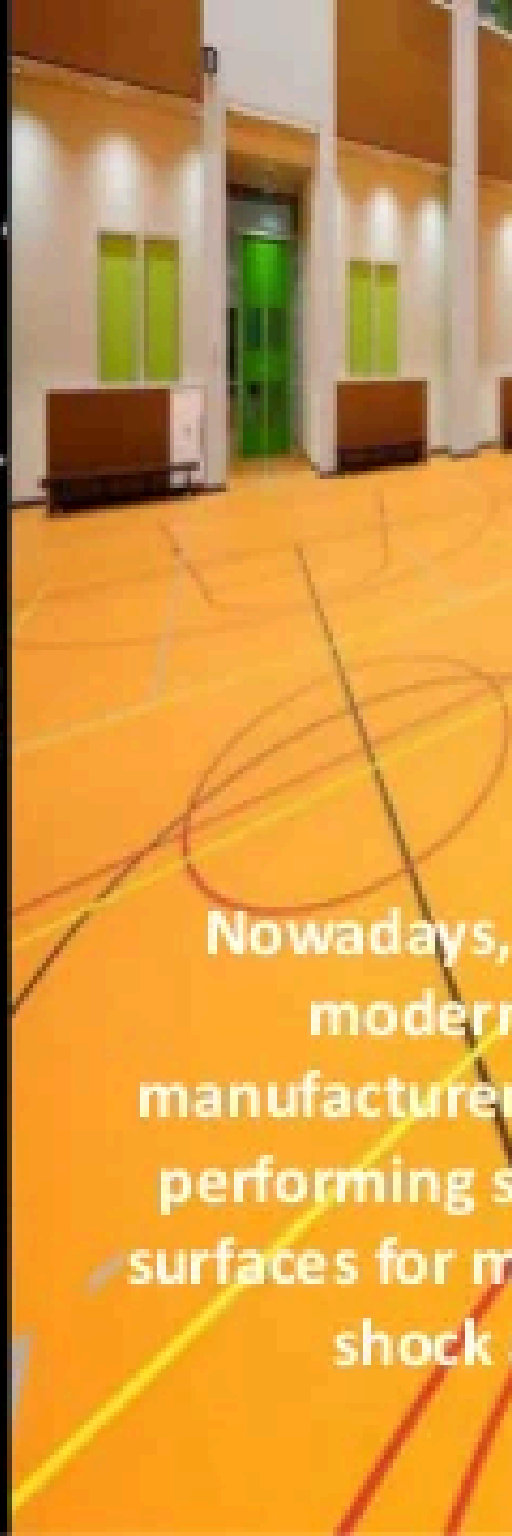
More people
turf because
look and fee
without th
required for
SU



Artificial turf
durable
recreate the
grass, as well
act as the di
absorb

Conclusion

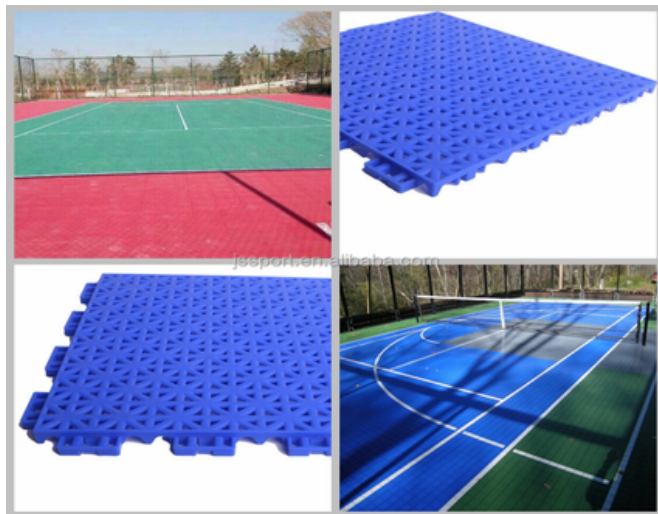
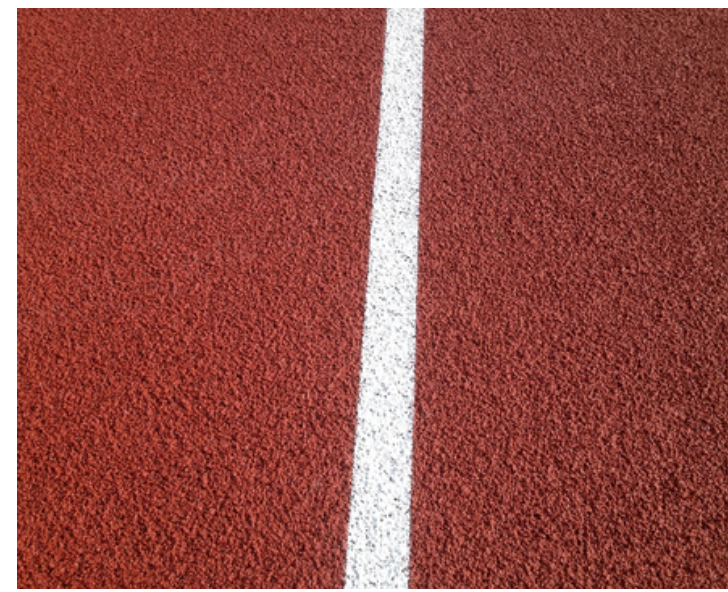




Nowadays,
modern
manufacturers
performing
surfaces for
shock

There are six common surface types –

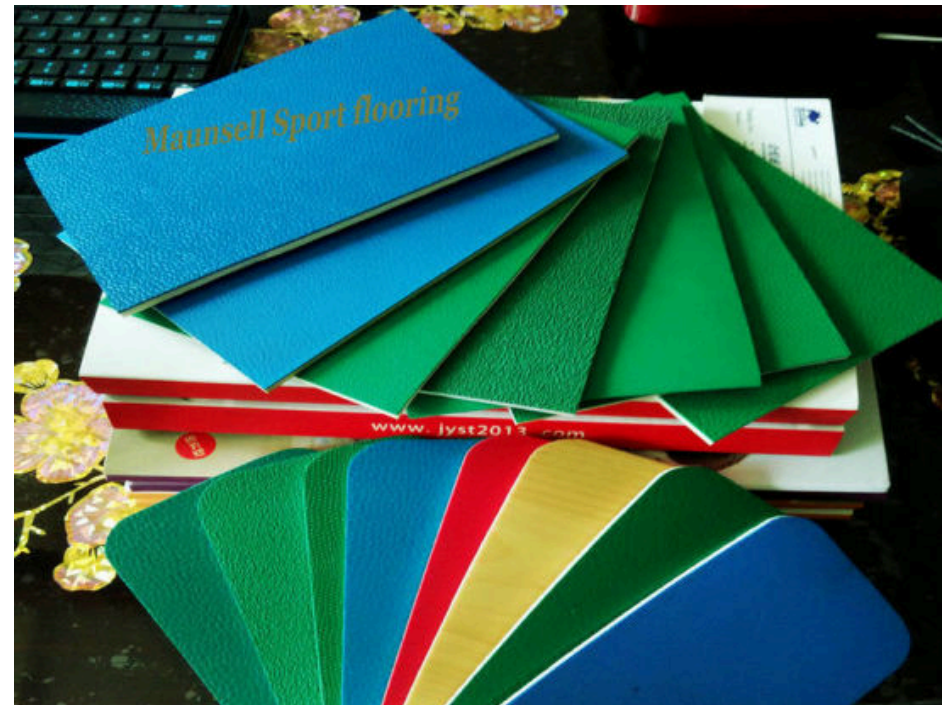
- polymeric rubber surface
- PVC surface
- wooden surfaces
- Concrete surface
- Natural turf and Artificial turf surface



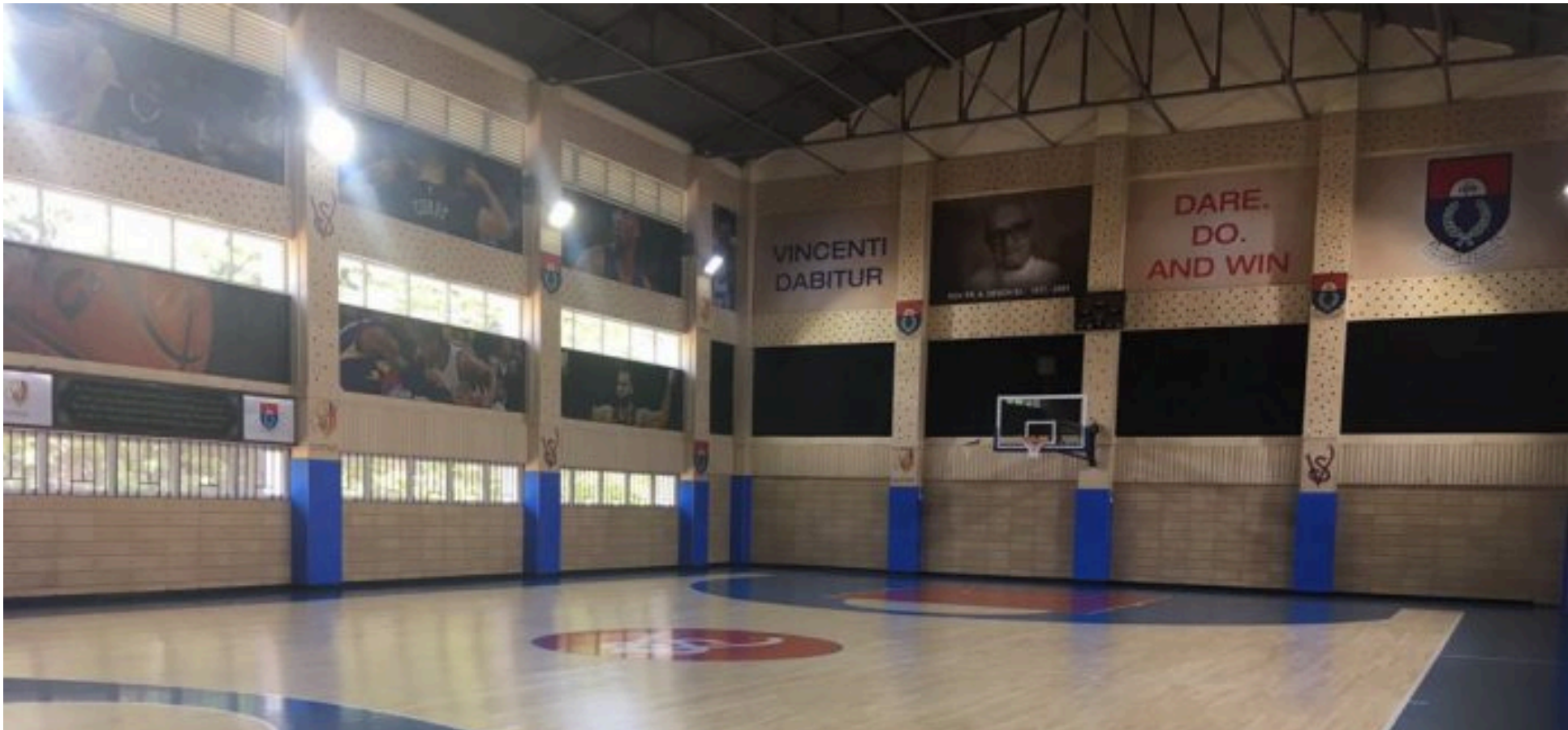
Polymeric Rubber is basically granules of rubber held together by polyurethane (a binding agent) and sprayed with a high-traction, coloured top-coat. It's most commonly used for surfacing athletic running tracks but is also popular for tennis, netball and basketball courts and multi-use games areas.



PVC is a very popular type of sports surface used for indoor sports facilities and stadiums. It has a reputation of being good quality, durable and able to withstand a lot of pressure. PVC is also extremely flexible. It is not a case of there only being one type of PVC surface as there are a number of variations available, which means PVC is a great choice of playing surface for many different sports.



Wooden flooring is used in a plethora of indoor sports including Basketball, Volleyball, squash courts, gym, Dance flooring, and Badminton. Wood flooring is believed to be a better surface than concrete or rubber surface for basketball. They provide an even surface and better bouncing of the ball.





Artificial turf is fast becoming a preferred choice of playing surface in the sporting world and can be used to provide a quality alternative to natural grass for a variety of competitive sports, from friendly school and college games to professional football and international hockey events.

Artificial turf is low maintenance, durable, consistent and can be used in any weather. It is also known as astro turf, synthetic turf, 3G pitch and all weather pitch. Artificial turf is available with various different pile heights and infill systems.

most closely imitates natural turf and is widely used for football and rugby pitches. This synthetic sports surface incorporates a longer pile with a rubber infill.

is popular for hockey, five-a-side football and a variety of other sports. Sand filled surfaces for hockey are a short pile height.

is also used for hockey. It combines a shorter pile surface with sand that is packed below a gap of about 4mm of the surface.



3G systems for applications like soccer, rugby or multi-use. Green Fields offers a wide range of artificial turf products with sand & performance infill only, or with an elastic layer or shockpad, to build the perfect system for each application.

In different pile heights and stitch rates. With durable monofilament fibers to match the system design.

Premium tufted products with fibre or yarn combinations additional benefits to the system.

Green Fields MX Elite; the ultimate 3G product with performance and durability



