

Sports Surfaces

Installation
Regeneration
Maintenance



Brochure



HB Sports Surfaces
Maintenance and Installation

Maintenance and Installation

HB Sports Surfaces Ltd are a Midlands based company with extensive experience of installation, maintenance and refurbishment of artificial sports surfaces both local and nationally. Sports surfaces constructed from Artificial Grass require specialist expertise both in their installation and maintenance.

HB Sports Surfaces are a highly professional team and we pride ourselves on the excellent quality of work we offer our clients.





HB Sports Surfaces

Maintenance and Installation

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HB Sports Surfaces



The pitch perfect team

Synthetic Sports Surfaces are designed to meet the rigorous demands of continuous use and so long as they are maintained properly they will meet their requirements easily for year up on year.



Sand Filled

Sand filled artificial sports surfaces have typically pile heights around 20 to 24mm, these surfaces require regular brushing.

It depends upon the usage the surface gets as to how regular it would require maintenance. Heavy usage of an artificial sand filled sports surface could mean it would require brushing weekly. In addition to this, the artificial surface will require chemical treatment and deep cleaning throughout its life.

If your sports surface has widespread contamination caused by incorrect maintenance then it may be necessary to completely remove the contaminated sand and replace it.



Sand Dressed

Sand Dressed Carpet Turf is a dense short pile that requires a fine sand infill.

This kind of Artificial Sport Turf is much greener in its appearance as they have more fibres exposed than a Sand Filled Turf.

These artificial surfaces usually have pile heights between 15 and 20mm. Sand dressed surfaces have less sand than the filled surfaces, this can result in considerably faster play characteristics.



3G (3rd generation)

Third Generation Artificial Grass or 3G Artificial Grass not only has sand infill it also has a rubber crumb infill.

Fibres from 35mm to 65mm are supported by the rubber and sand infill levels; it is possible to adjust this infill level in order to produce optimum playing characteristics for particular games.

Generally they are used for football, but the shorter versions make excellent pitches for hockey practice and if a shock absorbent pad is installed underneath, it is perfect for rugby. To completely remove the contaminated sand and replace it.

HB Sports Surfaces pride ourselves on our installations as well as offering a fully comprehensive cleaning and maintenance services for all types of synthetic surfaces: Artificial Grass, Astro Turf Pitches, Multi Use Games Areas (MUGAS).

Maintenance is vital to prolong the lifespan of the surface; it helps to keep it in top working condition and avoids slippery or hazardous surfaces. Tennis Courts, Multi-Use Games Areas and all weather pitches all require regular routine maintenance.



Football



Rugby



Netball



Hockey



Tennis



Cricket



Athletics



Golf



Multi-Use



Sports Surface Installation



Sand Filled



Sand Dressed



3G (3rd Generation)

Synthetic Sports Surfaces are designed to meet the rigorous demands of continuous use and so long as they are maintained properly they will meet their requirements easily.

Sport pitches which are used intensively over long periods of time can deteriorate rapidly and so extensive and continuous expensive maintenance is usually required in order to keep sport surfaces operational. Overuse can result in bald patches and it can become impossible to sustain a perfectly consistent surface. Unfortunately during the winter period natural grass surfaces can mean a number of matches have to be cancelled due to the playing surface being frozen or water-logged.

Many who have always maintained natural grass sport surfaces are now considering artificial grass in order to reduce maintenance costs and generate more income during the winter time.

Installed 5 artificial grass sports surfaces for the London 2012 Olympics and Paralympics totalling 15,000sqm



Sports Surface Regeneration



Sand Filled



Sand Dressed



3G (3rd Generation)

If you have an ageing synthetic sports turf pitch which requires replacing or a multi use sports area in need of a new lease of life then Sports Surfaces Regeneration from HB can help and it is far less costly than laying a new sports carpet.

As with anything Synthetic Sports Surfaces even the best top quality one's do have a life expectancy and how long this period is obviously depends on the amount of usage your surface gets as well as how well it is maintained. Performance levels of the artificial turf can drastically diminish subsequently this can result in fewer bookings and inevitably reduced income.

As a general rule the typical life span of an artificial sports surface is around 10 to 12 years but as already mentioned it is dependent on usage etc.

We are able to make the renovation process quick and easy, we have extensive experience and can cover all elements of artificial pitch resurfacing.



Sports Surface Maintenance



Sand Filled



Sand Dressed



3G (3rd Generation)

To ensure the maximum performance and longevity of your artificial sports surface we recommend a regular maintenance programme. Effective maintenance carried out regularly can prevent such harsh conditions as heavy rain, frost, moss, algae, snow and ice taking its toll on your Synthetic Sports Surface.

Maintenance is a very important aspect of our service. It is a fact that poor maintenance reduces the lifespan of synthetic turf more than any other factor. Even an under-used facility will prematurely age if it is not regularly and properly maintained. A good maintenance regime can provide maximum performance and foreseeable problems like Moss and Algae build up can be avoided.

Professional HB Sports maintenance, the benefits are:

- ❖ Manufacturer's product guarantees up to 7 years (conditional on maintenance).
- ❖ We have a highly experienced workforce.
- ❖ Specialist knowledge of the products, understanding any problems occurring.
- ❖ We use specialist chemicals/equipment to treat contaminated sports surfaces.
- ❖ We use specialist de-compaction equipment.
- ❖ we competently undertakes seam repairs
- ❖ We are xperienced in renovation/regeneration of sports surfaces.
- ❖ Line marking is undertaken using only specialists' paints/equipment.
- ❖ We carry out any works as quickly and competently as possible.
- ❖ Maintenance programmes designed to suit the needs of the individual facility.
- ❖ 'Aftercare' is essential to the performance and life of your Artificial Sports Surface.



The main selling point of Artificial Turf surfaces was always the fact they require no maintenance, this however is not the case. Artificial grass surfaces that are maintained regularly have an increased life expectancy of up to 50%.

Those surfaces that have been neglected are now suffering from premature ageing. Many surfaces which have not been regularly maintained have had to be completely replaced.

The difference in real grass and artificial grass is that instead of spending time looking after your surface HB Sports Surfaces are able to put into place a regular maintenance programme for you allowing you to enjoy your sports surface year round.

A fully comprehensive maintenance programme from the day the artificial surface is installed will maximise the longevity of the surface and in fact some synthetic grass manufacturers state that unless the surface has a regular professional maintenance regime the carpets guarantee will not be valid. So it makes sense to be able to prove that your artificial grass has had the professional maintenance it requires should you encounter any manufactures problems.

The regularity of which such maintenance would be required is dependent on the position of the artificial surface. A shaded surface which is close to deciduous trees will require more frequent maintenance than one that is out in the open with no nearby vegetation around.



Synthetic Sports Surfaces are designed to meet the rigorous demands of continuous use and so long as they are maintained properly they will meet their requirements easily for year up on year.



Drag Brushing

Regular drag brushing is an essential part of a maintenance programme to ensure the infill is distributed evenly and to reduce surface compaction.

Drag Brushing lifts the artificial carpet pile ensuring it is more responsive. Drag Brushing is carried out on sand and rubber infilled artificial turf. Where a sports facility is very well used then Drag Brushing is advised to be carried out weekly.



In-Fill Top Ups

Sand replacement and Surface Repairs may be required after a number of years as even sports surfaces that are regularly maintained can become compacted, in some cases debris can cause problems and this would result in poor drainage.

Areas which suffer excessive use ie: a penalty spots can after years deteriorate and the surface may deform causing poor play conditions. It is essential to keep the infill levels topped up to prevent this, as insufficient infill will not protect or support the yarn pile satisfactorily. If infill procedures are not carried out correctly it could lead to more costly maintenance costs in the future.



Moss Algae Control

Moss, Algae and weed growth is also prevented by the appliance of chemicals. These Chemicals require time to penetrate the surface in order to help detritus removal.

Algaecide which is injected deeply into a sports carpet will successfully remove any deep rooted algae. Vegetation contamination can pose a slip hazard and render your artificial sports surface dangerous. The regularity of such chemical treatments is dependent on the positioning of the artificial sports surface to such things as shade, damp areas, deciduous trees etc.



Power Brushing

Regular Power Brushing of artificial sports grass helps to bed the sand into the fibres, moving the sand around also reduces moss and debris build-up within the fibres.

Power Sweeping is used on all types of artificial grass surfaces. Rotary power brushes lift the pile and filter the top infill layer. Power Brushing reduces surface contamination from algae, moss etc.

Regular brushing at advised intervals can ensure you get the best performance out of your surface and give it that essential long lifespan.



Deep Clean / Decompaction

Over the year moss, dirt and debris build up and affect the colour and the performance.

Our powerful deep cleaning service revitalises your synthetic sports surface by decompacting and filtering the sports surface infill, ensuring you continue to get the best performance out of your surface.

A deep clean is advisable in these circumstances as Drag Brushing, Sweeping and Power Brushing are often not invasive enough to tackle these problems, especially on older sports surfaces.



Surface Repair

High wear areas of artificial sports surfaces often require attention, areas around goals, penalty spots etc. can become badly affected and need repair.

Adhesives can break down and seams and lines may need to be replaced. Rain and frost on older sports surfaces can penetrate under the artificial carpet; this action can cause adhesives to break down and seams to fail. Worn areas can be cut out and patched; sub-surfaces may also require attention, especially those which may be found to be around collapsed drains.



Line Marking

HB Sports Maintenance offer line marking services for all types of synthetic sports surfaces and can professionally line all pitch, court and track-based sports. We recommend that line markings are renewed twice a year on sand-filled and sand-dressed sports surfaces.

As with any painted surface painted sports lines on artificial surfaces will need to be re-painted as they do wear off and fade over time. Clear line markings make an artificial surface more pleasurable to play on. Sport lines tend to be the first points affected by the build up of algae and moss etc, so it is vitally important to keep them maintained.



Surface, joint and play line damage

Artificial surfaces can sometimes suffer from joint and play line separation. A damaged artificial sports surface will have adverse effects on the playability of any sports. Loss of adhesion and sometimes vandalism can damage the artificial surface to the point of being deemed unsafe. Any loss of adhesion or fraying around joints and seams can allow infill to escape from beneath, this problem will worsen as play goes on. It is always advised to repair as soon as possible before the artificial sports carpet is too badly damaged.

Surfaces affected

Sand Filled

Sand Dressed

3G



Algae, moss and weeds

Algae, moss and weeds can build up on surfaces where such vegetation has been allowed to grow and spread. If they are left for a period unchecked, this detritus will inevitably lead to infill contamination and this in time will hinder the play performance of your artificial sports surface.

The solution to this problem is to undertake regular maintenance, in order to control vegetation contamination. Deep Cleaning and Power Sweeping will help to stay on top of the problem.

Surfaces affected

Sand Filled

Sand Dressed

3G



Flooding

Insufficient drainage causes pooling on artificial sports surfaces. A seriously slippery surface is the result of a neglected sports pitch. Routine maintenance will eliminate detritus build up and prevent contamination of the sand underneath. A good maintenance programme entailing vegetation control, deep cleaning and Power Sweeping will ensure that the artificial carpet is able to drain well so good play performance is not lost.

Surfaces affected

Sand Filled

Sand Dressed

3G



Staining

Staining can occur when mud or other contaminants are brought onto the playing surface and not properly cleaned off, water can pool on the artificial sports surface leaving debris, this can lead to staining and present a slip hazard. A professional artificial sports surface maintenance programme can ensure your artificial surface is free from stains.

Surfaces affected

Sand Filled

Sand Dressed



Sand Build Up

Sand build up can occur around the edges of the artificial sports surface if it is not properly maintained. A professional maintenance programme can help to ensure there is no sand build-up and that the base in-fill consistency across the surface is equal. Regular professional brushing will help to keep this problem at bay, soon as possible before the artificial sports carpet is too badly damaged.

Surfaces affected

Sand Filled

Sand Dressed



Infill Shortage

This problem occurs if the sports surface has not been properly maintained. The sand infill can reduce or be pushed to the edges of the surface with repeated play so without the protection of the infill, the surface can become worn and damaged more easily. The artificial sports surface play performance will be adversely affected. A maintenance programme will ensure the artificial surface is properly in-filled and top-up where appropriate.

Surfaces affected

Sand Filled

Sand Dressed

3G



Infill Compaction

Infill compaction can adversely affect the play performance of the artificial grass sports surface, this is because the fill is forced together overtime through use as well as prevailing weather conditions. This compaction of infill prevents water passing through and results in standing/pooling water. Poor drainage results in loss of use and promotes moss and algae growth on the artificial surface. The sports ground can then become slippery and hard. The Artificial Piles' tip can become unsupported so play characteristics are altered considerably.

Surfaces affected

Sand Filled

Sand Dressed

3G



Infill Contamination

Vegetation, moss, algae, spores, carpet fibres, skin and ball fluff etc can all fill the void between the infill particles. The sub-surface becomes blocked and upper levels rendered sealed, preventing good drainage. The surface will then be prone to flooding and standing pools of water. The sports carpet will become slippery as algae growth prevails and just as with infill compaction the contamination of the infill will adversely affect play characteristics.

A good maintenance programme can help to prevent infill contamination as a professional clean would keep debris to a minimum.

Surfaces affected

Sand Filled

Sand Dressed

3G



Pile Fold

Infill particles can compact together in areas of high wear (around goal mouths, base lines, entrances etc).

If this compaction of the sub-base is left untreated then the artificial carpet pile can tend to bend over or fold due to being unsupported. Traction is then lost and the sport surface can become slippery. HB's professional maintenance programme can help to prevent 'Pile Fold' as compacted infill would be treated /replaced and new infill would be evenly distributed.

Surfaces affected

Sand Filled

Sand Dressed

3G



Heavy Vegetation

All forms of vegetation and foreign debris on an artificial sports surface is not good news, it can cause serious damage to the carpet and play performance would be badly affected. Debris and vegetation control would be undertaken during our comprehensive maintenance programme, chemicals are applied to eliminate the growth of moss, algae, weeds etc. How regular this treatment would have to be carried out, is dependent on the type of surface and its positioning in terms of shade, deciduous trees etc.

Surfaces affected

Sand Filled

Sand Dressed

3G



Built upon our experience of installing and maintaining sports surfaces, we now install playgrounds and artificial grass play areas.

Play Areas

With an artificial grass play area you can bring areas that aren't useable due to damage by bad weather to a clean all year round great space for playing and learning.

Also high foot fall areas that are becoming mud pits in the winter can return to full use without mud being tramped indoors.

- ✓ No more muddy feet in the school classrooms
- ✓ No mud covered shoes and uniforms
- ✓ No muddy worn patches
- ✓ Great for shady areas or areas with high foot fall
- ✓ Looks good all year as well as useable whatever the weather
- ✓ Shock pads can be fitted



Playgrounds

HB Sports Surfaces can undertake the whole job from ground levelling and preparation, kerbing, asphalt installation, artificial grass installation, wooden buildings and line markings.

So whether it is a play ground overhaul or new extension to existing playground let HB Sports Surfaces construct an all weather themed play ground.

HB Premium Package

This package covers 6-8 visits per year and is ideal to run parallel with your own in house maintenance team.

**HB Total Care Package**

For peace of mind, our full package covers 24 visits per year and our team covers all maintenance aspects from brushing to weed control, from in-fill top up to deep clean and decompaction.

We pride ourselves on giving the highest quality and professional service retaining 100% of our maintenance customers.

"HB sports surfaces have provided a cost effective and high quality service to help maintain the 3G football pitch to the highest standard that was originally installed by the manufacturers. They take personal care and give good customer service beyond the visit should you require any further help or information. The professionalism by the company and the job that they have done for me has been second to none"

"HB Sports surfaces offer a high quality service that is both cost effective, customer focused and delivers a high quality of service. The Cherry Willingham Community School 3G football pitch now has an improved playing surface as a result of the specialist service offered by HB Sports Surfaces"

"Although HB Sports Surfaces have high profile clients, they never fail to serve us: the local school. The attention to detail is worth every penny. We really feel that we get a full, straight-talking service at a very competitive price! There is a genuine care for the facility to be the best it can be which our school values. The equipment used is appropriate to the needs of the facility and having an expert visit us regularly helps us to look with fresh eyes. In three words: reliable, flexible, professional."



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Maintenance and Installation



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