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4G AstroTurf All Weather Pitch

4G AstroTurf is a modern artificial sports surface that can meet the accreditations of the FA, FIFA 1*, FIFA 2*, FIH, IRB and RFU. There are a number of different pile lengths to suit the many different sports that can be played on the surface. The length of the pile is most commonly determined by the primary sport played on the surface.

When rugby is to be played on surfaces it is advisable to have an artificial grass pile length of 60mm with a 15mm-25mm rubber shock pad laid beneath the all weather pitch carpet. For football the 4G surface is perfect as the rubber and sand infill give the synthetic grass true to life playing characteristics and can be accredited with FIFA one star or FIFA two star if fitting within budget. A fourth generation pitch is also a suitable surfacing for hockey however we would advise a shorter pile of 32mm to allow the ball to move quickly across the artificial sport surfaces.

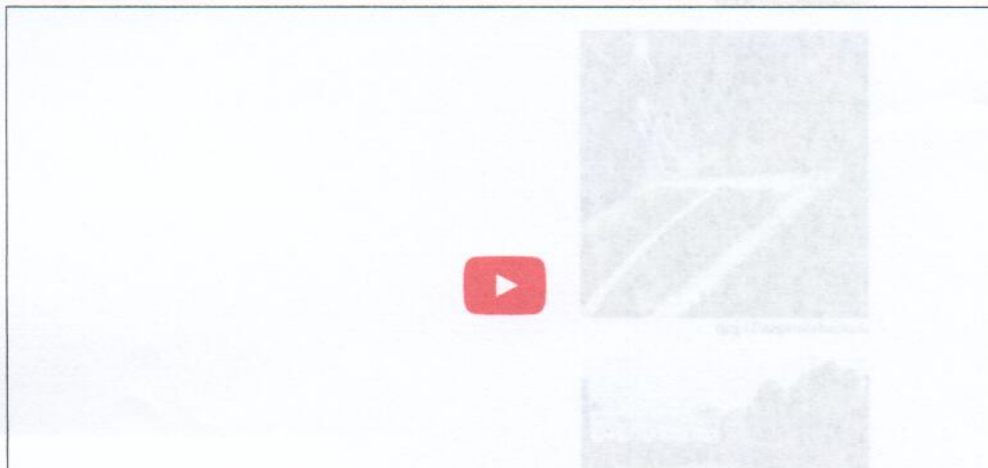
Removing a tired, old all weather AstroTurf pitch and replacing it a 4G artificial grass sports pitch is a great way to give you and your facility the edge over any competitors in the close community. There are a number of establishments now installing and improving their artificial sports pitches and choosing a 4th generation carpet, examples of these include primary schools, high schools, colleges, universities, sports clubs and leisure centres.

4th Generation AstroTurf Sports Surfaces

4th Generation Synthetic AstroTurf is a combination of a sand and rubber infill. A 4G pitch is the latest and ideal option to upgrade and refurbish your current all weather sports pitch to. It can accommodate a number of sports and with the correct maintenance plan that includes regular brushing and sweeping can have a very good life span. The 4G synthetic grass sports pitch has the most true to life look and feel, moving away from the fake and plastic looking all weather sports pitch grass of the early days.

Refurbishing and replacing your existing synthetic sports surface with a 4G pitch is also a great way to increase revenue. With the most up to date surface and specification any users of 2G or 3G sports pitches in the community will want to discover the delights of playing on a fourth generation artificial grass sports surface. Small sided sports fixtures for both recreational and competitive use is growing ever popular and your 4G pitch can help prise customers away from your competitors.

If it is an existing synthetic sports carpet you are replacing, great thought should go into how the surfaces can be recycled and reused to extend its useful life span without having lasting and damaging effects on the environment. To find out more information on how old synthetic sand filled carpets can be used again, take a look at our uplift and recycle page.



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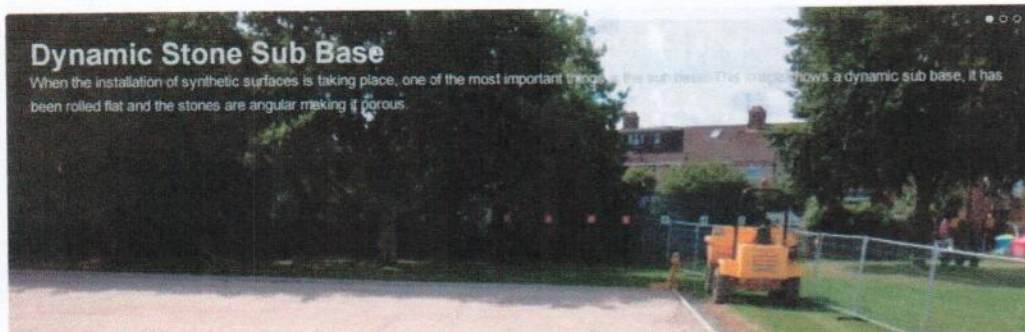
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Dynamic Stone Sub Base

When the installation of synthetic surfaces is taking place, one of the most important things is the sub base. This image shows a dynamic sub base, it has been rolled flat and the stones are angular making it porous.

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Upgrade Sub Base Specification

An artificial turf pitch replacement is a perfect time to check the sub base and repair any defects the sports pitch may have, such as the levels and general performance of the pitch. When removing the old existing artificial turf it is important to do this with considerable care so that there is minimal disturbance to the sub base. There are a number of different types of sub base for sports pitches the most common a dynamic sub base which is made up of compacted MOT Type 1 Stone or an engineered sub base which is a layer of macadam or a no fines concrete. If when up lifted the surface is uneven or has a degree of undulation it is important to pay attention to this, if the carpet is laid on top of an uneven sub base it will just follow the existing contours.

If the existing sub base is MOT Type 1 Stone and a little uneven it is possible to add more MOT Type 1 Stone to the troubled areas and compacting until level. Other options include laying an engineered layer of asphalt macadam over the entire area to give the sports surface the most even, level finish possible.

All sub bases installed are SUDS compliant meaning that in the event of rain water is able to drain through the system suitably into the sub strata instead of flowing straight into the drains causing them to over burden and flood.

Repair or Upgrade Shockpads

When an artificial sports surface is first replaced general repairs to the shockpad are more common than a complete rip up and replacement of the shock pad. This is because a rubber shockpad should last double the amount of time of the synthetic turf and therefore during its first replacement, if uplifted by a specialist contractor, minimal damage should be done to the shock pad layer meaning it should be in a good enough condition to lay onto with only slight repairs needed. Below shows different upgraded specification option you might come across:

Upgrade from stone dynamic base to a macadam engineered base

Supply and install a new rubber insitu shockpad if there currently isn't one

Upgrade or repair existing shockpads or macadam

Add more drainage if there is any issues with current pitch holding water (SUDS compliant)

Correct any slight undulations and levels on the pitch (sports testing to meet FIFA 2*)

In the event of an uneven area on an insitu laid shockpad it is possible to add amounts of rubber to bring the surface level and back within tolerance.

To find out more information about repairing a shockpad or sub base or to find out the cost and prices of upgrading rubber shock pad or sub base please do not contact us.



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Artificial Turf Replacement (<http://artificialturfpitchreplacement.co.uk/>)

Remove Existing Surfaces

Rip Up and Dispose Sports Surface (<http://artificialturfpitchreplacement.co.uk/remove-existing-surfaces/rip-up-dispose>)

Uplifting Artificial Surfaces (<http://artificialturfpitchreplacement.co.uk/remove-existing-surfaces/uplift-recycle>)

New Sports Surfacing

2G Sports Surfaces (<http://artificialturfpitchreplacement.co.uk/new-surfacing/2g-astroturf-surfaces>)

3G Astroturf Surfaces (<http://artificialturfpitchreplacement.co.uk/new-surfacing/3g-astroturf-surfaces>)

4G Synthetic Sport Surfaces (<http://artificialturfpitchreplacement.co.uk/new-surfacing/4g-astroturf-surfaces>)

Upgrade Sports Facility

Sports Court Equipment (<http://artificialturfpitchreplacement.co.uk/upgrade-facility/upgrade-sports-equipment>)

Upgrading Sports Pitch Sub Base (<http://artificialturfpitchreplacement.co.uk/upgrade-facility/upgrade-sub-base>)

Sports Fencing Renovation (<http://artificialturfpitchreplacement.co.uk/upgrade-facility/renovation-sports-fencing>)

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