

nottssport<sup>®</sup>///:  
Synthetic Surfacing / ChildsPlay<sup>®</sup>



pan india  
the playarea specialist

[www.panindiaplay.com](http://www.panindiaplay.com)

[www.nottssport.com](http://www.nottssport.com)



## WHO WE ARE...

Notts Sport is a leading specialist in the design and supply of synthetic surfacing systems for children's playgrounds. The company has over 25 years' experience in providing non-turf technology in an amazing range of colourful, creative and exciting formats, including its innovative ChildsPlay systems.

ChildsPlay combines a tactile, vibrant artificial turf surface with a shock-absorbing base for added safety to meet requirements for equipment-linked or free play. Ideal for schools, nurseries and playgrounds, it is also cleaner, more visually appealing and offers greater wear and vandalism-resistance than many alternative surfaces available.

By choosing Notts Sport for your project, you can also benefit from expert advice and assistance from the design stage to installation and aftercare. Our experienced ChildsPlay team is here to offer a guiding hand to help turn your dream project into a reality.

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## HOW PAN INDIA CAN HELP...

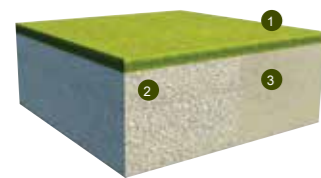
If you are considering installing a new play area – or refurbishing an existing one – Pan India will be happy to visit your site to provide a free, no obligation quote, assist you in securing funding for your project, and design a facility that is specific to your needs.

Pan India offers a complete Design & Advisory Service at no cost to the customer. This service is a foundation of the Pan India ethos and is included to ensure its products are always installed to the highest standards and that every project is a success.

## CHILDSPLAY SYSTEMS

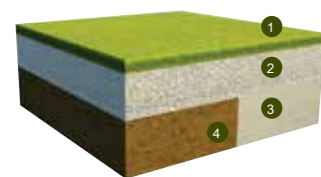
ChldsPlay is a versatile surfacing system that can be installed over existing asphalt, concrete, soil or stone. The system suits a range of environments, from a mud-free recreational area through to a surfacing that's ideal under climbing frames, swings and other equipment and offers critical fall height protection of up to 3.0 metres.

Each variant of the ChldsPlay system is topped by VHAF NottsSward artificial turf, and so where a single scheme may use a combination of bases to meet different uses and safety requirements, to the child's eye the ChldsPlay area enjoys the same huge appeal from edge to edge.



### CHILDSPLAY RECREATION

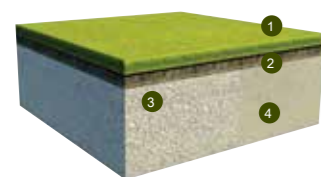
1. VHAF NottsSward 1150
2. Clean Stone
3. Concrete / Asphalt



### CHILDSPLAY 60

Critical fall height upto 60cm

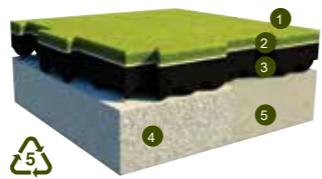
1. VHAF NottsSward 1150
2. Min 50mm of 10-6mm clean angular stone
3. Concrete / Asphalt
4. Existing ground



### CHILDSPLAY 90/120

Critical fall height upto 90/120cm

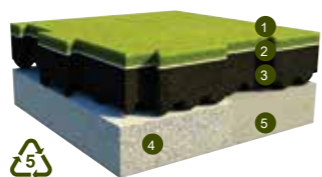
1. VHAF NottsSward 1150
2. VHAF Underlay + 4kgm2 Rubber Crumb
3. Min 50mm of 10-6mm clean angular stone (ChldsPlay 120)
4. Concrete / Asphalt (ChldsPlay 90)



### CHILDSPLAY 170

Critical fall height upto 170cm

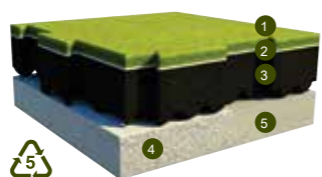
1. VHAF NottsSward 1150
2. NottsFilm Stiff
3. NottsBase EPP 40
4. Sub base stone under a geotextile layer
5. Concrete / Asphalt



### CHILDSPLAY 210

Critical fall height upto 210cm

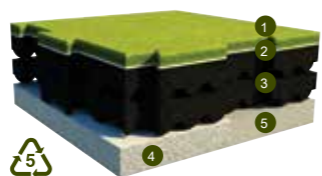
1. VHAF NottsSward 1150
2. NottsFilm Stiff
3. NottsBase EPP 55
4. Sub base stone under a geotextile layer
5. Concrete / Asphalt



### CHILDSPLAY 250

Critical fall height upto 250cm

1. VHAF NottsSward 1150
2. NottsFilm Stiff
3. NottsBase EPP 65
4. Sub base stone under a geotextile layer
5. Concrete / Asphalt



### CHILDSPLAY 300

Critical fall height upto 300cm

1. VHAF NottsSward 1150
2. NottsFilm Stiff
3. 2 No. NottsBase EPP 40
4. Sub base stone under a geotextile layer
5. Concrete / Asphalt

## RECYCLABLE NOTTSBASE EPP TILE



The unique hemispheres disperse energy on impact



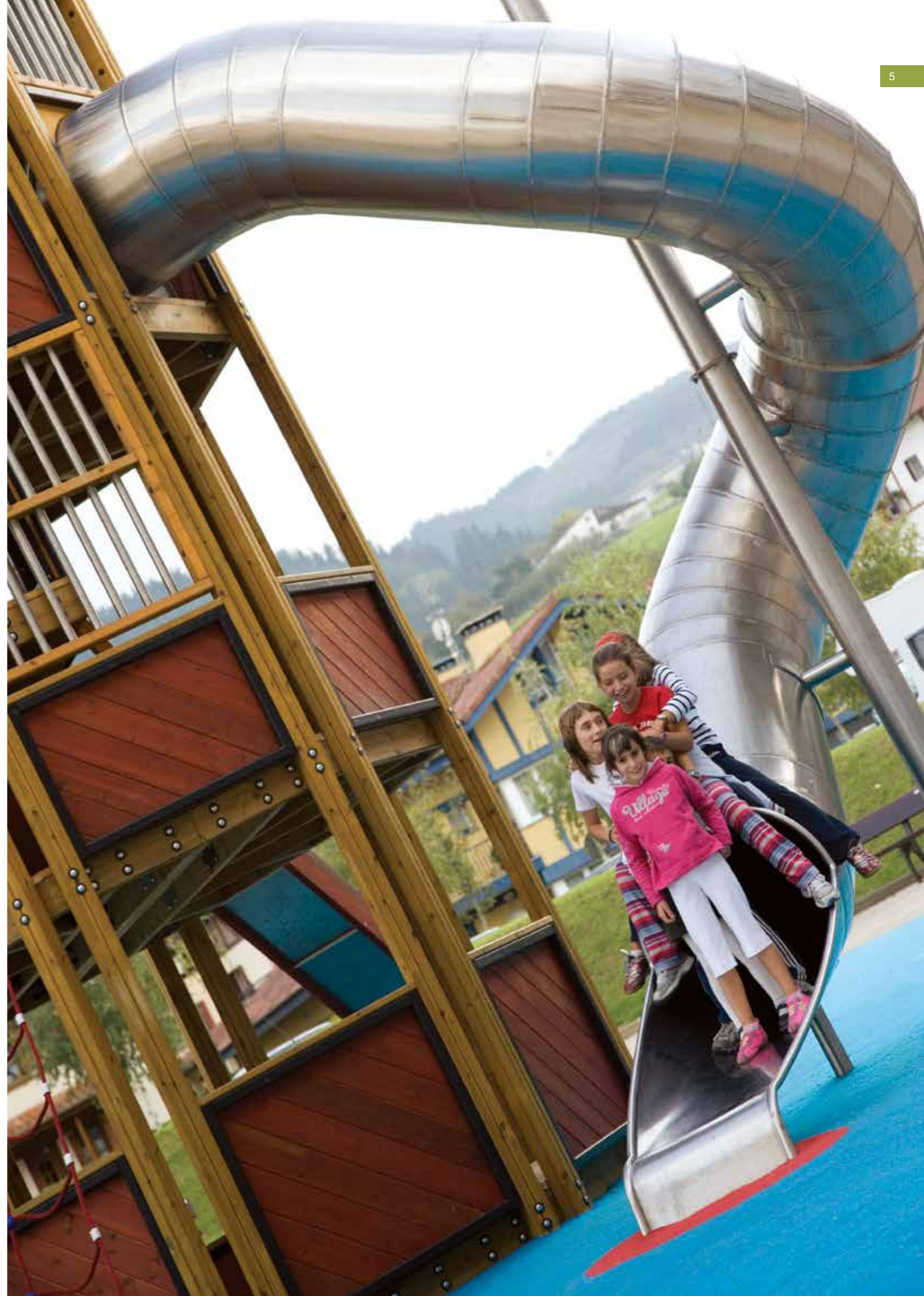
EPP Tiles slot together easily for quick installation

NottsBase EPP is a specialist base layer used in ChldsPlay 170 through to ChldsPlay 300 systems, which offers safety benefits for children – and cost benefits for play providers. EPP stands for expanded polypropylene, which is moulded into tiles complete with hemispheres underneath – a feature that is unique to ChldsPlay.

The hemispheres create an air void through which energy is dispersed on impact ensuring enhanced performance over a traditional, flat EPP tile. NottsBase EPP is used in three depths – 40mm, 55mm and 65mm – with a fourth system available through 40mm tiles stacked to double depth, providing a critical fall height protection of up to 3.0 metres.

This enables ChldsPlay systems to employ different levels of critical fall height protection easily. For example: ChldsPlay 170, which offers protection from falls up to 1.7m, is appropriate for surfaces surrounding low-level play equipment, such as roundabouts and toddler apparatus, and uses a single layer of NottsBase EPP 40mm tiles. Higher levels of NottsBase EPP can be used for areas under climbing frames, swings and slides.

Because NottsBase EPP tiles are lightweight and slot together in a simple dovetail formation, they can be installed quickly and easily, meaning facilities refurbished with ChldsPlay won't be out of commission for long.



## WHY CHOOSE CHILDSPLAY?

ChildsPlay is a tactile and vibrant surface solution that provides a wide range of benefits, including improved safety, low maintenance and, through a child's eyes, amazing opportunity for adventure! With plenty of scope for using different colours, markings and shapes, traditional grass, asphalt or bark-covered grounds can be transformed into an inspirational play area.

While perfect for new installations or to refurbish an existing play area, ChildsPlay is also just as adept at covering mounds and slopes as it is over a flat surface or under play equipment.

Parents and teachers love ChildsPlay because there is no mud or lingering puddles – just a soft, clean playground that stays in great condition in any weather.

Play providers also benefit because the system offers high levels of durability and vandal-resistance and requires minimal maintenance over its long lifetime.

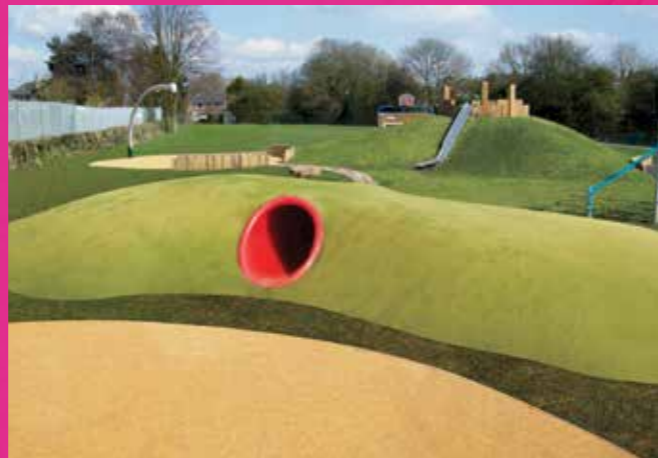
But more than anything else, ChildsPlay is fun. Vibrant colours and designs set free imaginations, turning the surface into anything from a soaring spaceship to a sun-baked desert island or a ship at sea. And with traditional markings such as hopscotch and mazes, children can run and jump to their hearts' content.

We can offer expert advice on creating your area using our ready-made patterns and innovative playground designs, or you can see your own ideas brought to life using the latest computer technology.

## FLEXIBLE & TACTILE

ChildsPlay surfacing systems are flexible enough to enable variations in the surface form, elevation and markings, which challenge children to move through the space in a variety of ways, giving their own interpretation to the area. As well as energising minds and bodies this unique system promotes the enjoyment of a wide range of sensory experiences, including balance, touch, shape and movement.

While ChildsPlay provides the potential for exploration and exhilaration through colourful surface designs, the tactile feel of the outdoor VHAF NottsSward carpet that surfaces every ChildsPlay system can also persuade youngsters to relax – to sit and talk to friends, to roll down slopes and crawl about – all in a cleaner, safer environment.



## DISABLED ACCESSIBILITY

ChildsPlay promotes inclusive play, by giving children of different ages and abilities the chance to exercise, interact and have fun together. Designed to be inspirational without the need for play equipment, the surfacing system starts with the premise that children are already equipped with the essential tools for play – their imaginations.

Our research showed that for younger children and youngsters with disabilities, equipment-linked play can leave them feeling daunted or excluded. By making the play surface itself both mentally and physically stimulating, while remaining accessible to all levels of ability including wheelchair users, ChildsPlay can increase the opportunity for exercise, social interaction and learning.

Ultimately, ChildsPlay provides children with the means to create their own games and have fun, imaginative adventures together while developing their strength and capabilities.

Notts Sport have attained the prestigious ASTM F1951-09b standard, leading the way in inclusive play for children of all abilities.



**ASTM F1951-09b**  
Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.



## LANDSCAPING

The benefits of using VHAF NottsSward synthetic grass stretch well beyond the playground, and this highly durable surface can be used to create paths and standing areas. Perfect for eliminating unsightly worn grass and mud, and for preventing soil erosion, it offers a softer and much smarter alternative to concrete, asphalt, loose bark or gravel.

With a wide range of colours to choose from, synthetic grass is ideal for municipal or rural environments, and because our VHAF NottsSward synthetic grass surfaces can be laid over flat ground, slopes and irregular mounds, they're great for surrounding the base of trees and laying along roadsides – locations where worn grass, watering or mowing is an issue.

Parks, picnic sites, school grounds, shopping centres, sports clubs, golf and equestrian centres... the only limit to the landscape is your imagination!



## VHAF NOTTSSWARD... THE COST-EFFECTIVE REFURBISHMENT SOLUTION

Refurbishing a problem rubber playground is simple and cost-effective with our VHAF NottsSward sand-filled synthetic grass carpet.

This hard-wearing artificial turf surface is ideal for installing directly over the top of existing wetpour rubber or rubber tile areas – offering a cost-effective solution to transform damaged or old playgrounds into smarter facilities that will serve your school or community for years to come.

There's no need to worry about slopes, mounds or hollows on the site as these can easily be incorporated into the design without the need for expensive ground works.

Overlaying rubber with the VHAF NottsSward carpet also puts an end to costly maintenance and repairs incurred by arson or vandalism.

Unlike rubber, the sand-filled synthetic turf is resistant to fire damage, cutting and graffiti, and does not shrink or expand, meaning play areas spend less time out of action.

As a result, Notts Sport surfacing solutions are the first choice among local authorities to resurface vandalised and shrinking rubber facilities providing local authorities with savings of as much as £500 per month on repairs where vandalism is a consistent issue.

Since the installation of the Notts Sport surface 6 months ago we have had two fires on the site which have not damaged the surface and we haven't spent anything on surface repairs or had to close off any of the equipment. In the previous 3 years we spent an average of £1,000 per year on surfacing repairs & have had to remove the swing seats for 6 months due to surfacing damage." Mark Salway, Parks Department of Oldham Metropolitan Borough Council

"High Heath Play Area suffered from regular ASB and damage to the play area safer surface. Wetpour repairs had an average cost of approx £400 - £500 per calendar month and utilised approx 10-20 man hours over the same period prior to the installation of Notts Sport ChildsPlay surface in August 2011 at a cost of £5432. Since installation, the Infrastructural Maintenance Team have made NO surface repairs to the play area thus making savings of £4000+ within 5 months. Enabling the team to utilise funds to carry out proactive repairs rather than reactive and freeing many man hours to achieve a higher standard of play area maintenance." Darren Hodgkiss Walsall MBC

"Pleck Park Play Area had issues regarding wetpour shrinkage (25mm-50mm) causing a trip hazard. Repairs carried out by IMT and contractors failed to rectify these problems. Notts Sport ChildsPlay surface was installed on 25/10/11 which has corrected these issues and again we have not made any vandalism repairs since this date." Darren Hodgkiss Walsall MBC



## KICKABOUT AREAS

Notts Sport's market-leading multi-use games areas are designed for customers with limited budgets or limited space to deliver a full-size synthetic pitch.

They're an excellent alternative to asphalt or tarmac pitches for parks or housing estates and offer great performance compliant for a wide variety of sports and informal games.

They're also highly resistant to vandalism and built to endure heavy daily use with minimal maintenance.

Notts Sport provides design assistance for all elements of the scheme, including options on the choice of shockpad or performance control layers to meet specific sports standards or individual requirements and even advice on fencing and lighting if necessary.



## CHILDSPLAY ACTIVE

Our exclusive ChildsPlay Active system is the perfect playground solution for encouraging healthy and lively young bodies and minds!

This unique concept product brings together opportunities for sport, play and education as one playground to create the ideal bespoke 'outdoor classroom' for schools, nurseries and councils.

With a palette of 15 lively colours to choose from, patterns, themes and games can be incorporated into the tailor-made design of the vibrant and tactile artificial turf carpet to promote exercise, sociability and friendship – and excite imaginations.

Following consultation with Primary School teachers, specialist Educational Mats, letters and numbers can also be incorporated into the surface design to make a ChildsPlay Active playground a place to stimulate learning in key areas of the National Curriculum Key Stages 1 and 2.

In fact, the design possibilities with ChildsPlay Active are almost limitless as the surface design can be completed to meet your own specific requirements!

With Notts Sport's top-quality Design & Advisory service available at no up-front cost, ChildsPlay Active offers the ideal holistic solution at a time when space and public budgets are tighter than ever.



## CHILDSPLAY EDUCATION MATS

Make imaginations sparkle with the specially developed ChildsPlay Education Mats that put extra excitement and adventure into outdoor learning – without overstressing budgets!

Our innovative educational Mats are designed to stimulate learning, meeting elements of Upper Foundation Stages and Key Stages 1 and 2 through imaginative free play as well as structured activities.



ChildsPlay Education Mats are an ideal way to include special areas for fun and games within the highly adaptable surface design of your ChildsPlay playground, and can be individually tailored towards activities for toddlers through to older children.



Freeform patterns from the general play area can flow into more conventional games such as 'life-size' chess and hopscotch, while distance markers, maps, letters and numbers can give children the opportunity to challenge themselves individually or in groups.

In the space of a single playtime, for example, children could go on a journey of discovery around the globe on a "World Map", or even planet-hop on a surface representing the entire solar system!



We can offer expert advice on creating an educational area using ready-made patterns and innovative designs, or alternatively, clients can see their own ideas brought to life using the latest computer technology.

Children who will use the play area can even be invited to put forward their own ideas to be considered by the school or nursery for incorporation into the design.

With 15 vibrant colours to choose from, the possibilities are limitless.



“Half a term into the new academic year and the children remain very positive. Some of our after school sports clubs are also making use of the new surface - netball, football (no studs!) & multiskills - all providers have commented on the surface / reduced number of injuries etc.”  
 Marie Sandford  
 Head Teacher at Gilmorton Primary School

“Notts Sport's facility changed the way our children interact during playtimes, and for the better. We aim to give pupils a 'level playing field' in all activities they do regardless of their abilities, and thanks to our installation we have extended this into break times too.”  
 Robin Marlin  
 Head Teacher at Brocks Hill Primary School

It's colourful like a rainbow making you feel happier, cheering you up!  
 Melissa - Class H

It is nice and soft and I like the orange circles, because they are like stepping stones  
 Carla A - Class N

IT'S FUN!  
 Megan O - Class D

WE CAN PLAY SAFE ON THE HILL!  
 Charlie J - Class D

## RESISTANT TO VANDALISM

VHAF NottsSward artificial turf feels so soft to the touch, but it's a force to be reckoned with for vandals. The sand infill held within the random pile of the surface makes it resistant to fire, containing damage to a small area which can be easily repaired or replaced at minimum cost.

The sand infill also makes it extremely difficult to cut into the carpet, even with a sharp knife. And unlike 'plastic' artificial grass, if graffiti is sprayed onto VHAF NottsSward, paint can be removed using a firm bristle brush. By choosing ChildsPlay, you can rely on Notts Sport's expert aftercare service for advice on any maintenance issues.

Resistant to fire – damage is limited



Vandalism – the sand infill protects the system



Graffiti – paint can be brushed away



“While safety is our main priority, vandalism is a problem at a number of playgrounds in the borough and the council has spent a lot of money repairing the damaged surfacing. ChildsPlay has proven to be substantially more resistant to attack than other surfacing used in the borough and is therefore making a considerable impact on reducing maintenance costs.” Russell Norton, Dudley Metropolitan Borough Council

## THERMAL STABILITY

Unlike rubber wet-pour or tile surfacing the VHAF NottsSward surface used in the ChildsPlay systems is a thermally stable product. This stability means that the ChildsPlay systems do not contract in cold weather and expand in hot weather. This gives our ChildsPlay systems a distinct advantage over rubber surfaces which can react to the changes in temperature.

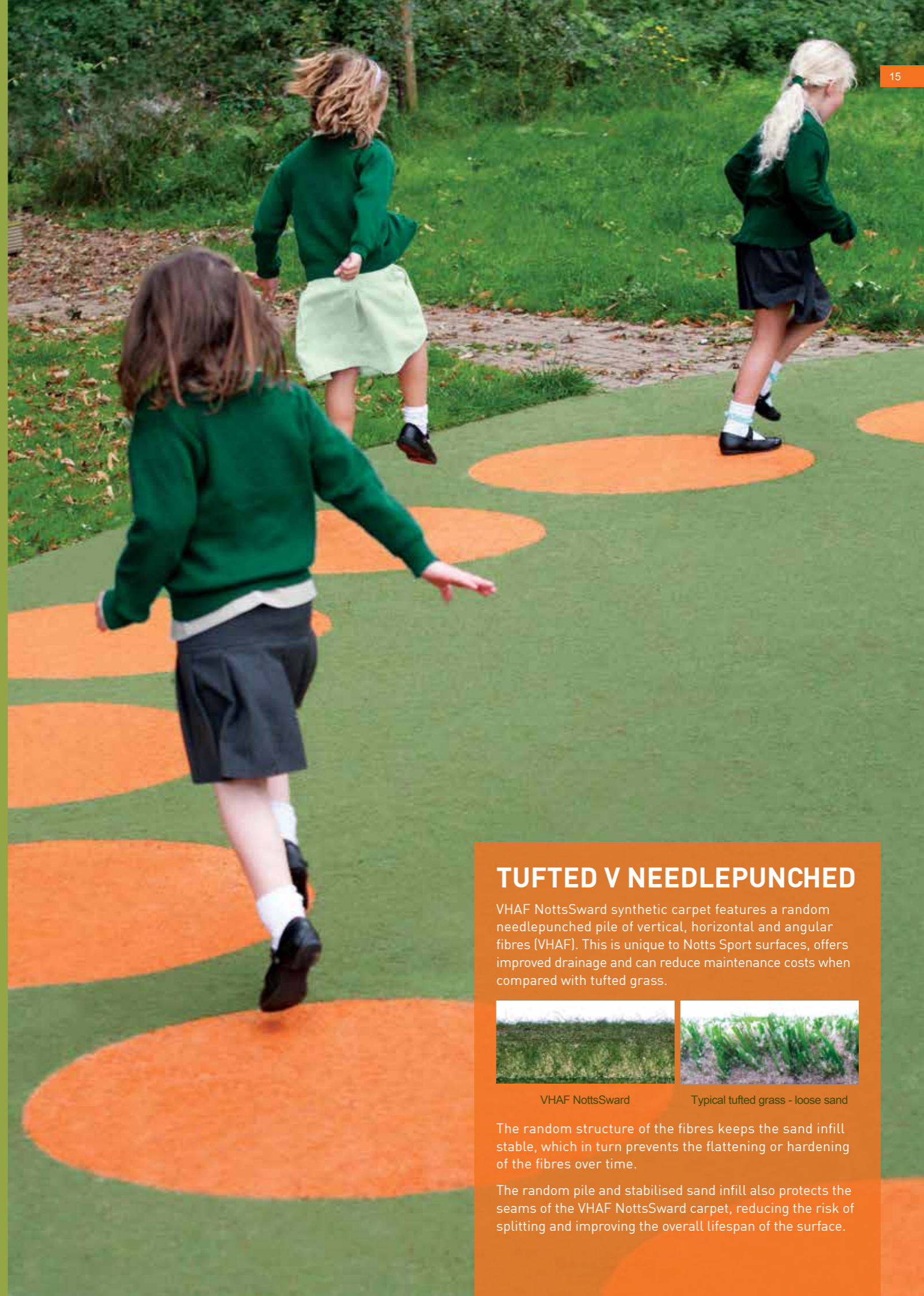
This often leads to the rubber surface moving away from the original edges of a play area, causing a small gap to appear at the perimeter. Once spotted by some of those using the play area this gap will usually get bigger and bigger, until you end up with the kind of damage shown in the photos below.

The benefits to the play provider of using ChildsPlay, in terms of the savings to be made in repair costs and time lost whilst the play area is closed, are there for all to see.



## ADVANTAGES OVER LOOSE-FILL

VHAF NottsSward offers a far smarter and more visually appealing alternative to loose-fill playground surfaces and, because it's a clean and quick-draining surface option, will greatly reduce the amount of playtime lost in wet weather. Loose-fill surfaces can hide broken glass and dog waste, but on VHAF NottsSward these dangers are easier to spot – and clear away.



## TUFTED V NEEDLEPUNCHED

VHAF NottsSward synthetic carpet features a random needlepunched pile of vertical, horizontal and angular fibres (VHAF). This is unique to Notts Sport surfaces, offers improved drainage and can reduce maintenance costs when compared with tufted grass.



VHAF NottsSward

Typical tufted grass - loose sand

The random structure of the fibres keeps the sand infill stable, which in turn prevents the flattening or hardening of the fibres over time.

The random pile and stabilised sand infill also protects the seams of the VHAF NottsSward carpet, reducing the risk of splitting and improving the overall lifespan of the surface.





Champ Forgeuil, France



Lazkao Park, Spain



Heidenheim, Germany



Utrecht, Netherlands



Országbirtó, Budapest



Zempin, Germany



Repentigny, Canada



Poznan, Poland



Orio, Spain



## NOTTSSWARD LEISURE

These two exclusive additions to Notts Sport's range of innovative products are both 100% polypropylene artificial turf and open up a whole new world of opportunity.

NottsSward Leisure and ChildsPlay Nursery are non sand-filled, which means they are suitable for a wider range of uses, both indoors and out.

NottsSward Leisure is an ideal non-slip surface where safety is paramount, such as pool surrounds and boats, and it's also a great choice for patios, roof gardens, crazy golf courses and exhibition space.

ChildsPlay Nursery, meanwhile, is designed for indoor and outdoor nursery and kindergarten play areas. Soft and tactile to the touch, it's also tough enough to endure the stresses and strains of everyday toddler play.

Both NottsSward Leisure and ChildsPlay Nursery can be laid over existing surfaces – including concrete, asphalt and rubber – or as a completely new installation.

This fantastic surfacing solution is also available with a durable rubber backing (NottsSward Leisure RB) for areas where it's just impossible to glue the surface to the existing base.





## INSTALLATION

Notts Sport only chooses installation companies with high levels of expertise in non-turf systems, and each has undergone the specialist training required to become an Authorised Installer of ChildsPlay systems.

By managing the installation of your system, Notts Sport and its Authorised Installers ensure the ChildsPlay systems are always installed to the highest standards and that your project is a complete success.

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## SERVICE & MAINTENANCE

We don't envisage your ChildsPlay system needing much maintenance over its lifetime, but should you require aftercare assistance, Pan India is here to help. We offer free advice on caring for a VHAF NottsSward surface, and can put you in touch with specialists in your area to carry out annual or ad hoc maintenance to keep your play area in tip-top condition.

If you have an existing play or recreation facility – whether it was designed by Pan India or by another company – you can receive a free condition check. Our experts will provide a professional evaluation of your current facility, plus advice on future maintenance, refurbishment or upgrade options.

As part of the free condition check, any action appropriate to your installation will be outlined, including costs and timescales. Notts Sport can also advise on the potential to upgrade your facility to improve its performance, or to cater for new activities.



## WE'RE HERE TO HELP...

Creating a play area is a fun and exciting project, and that's why Notts Sport lets you stay in control of your project, while being on-hand to guide you through each step so that you achieve the very best results.

The ChildsPlay team is here to advise on feasibility, location and budget, to help you choose an inspirational design, and to assist you in finding potential funding, an expert installation team, and to make sure aftercare and advice is there when you need it.

Please take a look at the frequently asked questions to find out more about our ChildsPlay systems, or get in touch with us today.

## FREQUENTLY ASKED QUESTIONS

### Q. Why do we say that the VHAF NottsSward surface & ChildsPlay systems are vandal-resistant?

A. The sand that inundates the pile of the VHAF NottsSward is the key. When somebody tries to cut the material using a knife it will be as though they are trying to cut through a bed of sand; extremely difficult for them to cause any damage. The sand within the pile of the VHAF NottsSward also ensures that there is very little oxygen within the pile for any fire to spread, therefore should a vandal manage to start a fire on the surface it will quickly burn itself out and the damage will be localised. If graffiti is a problem then once again the sand is the key to vandal-resistance as a large proportion of the paint sprayed onto the surface will end up not on the fibres of the VHAF NottsSward but rather on the sand itself. The affected sand can then be brushed out of the VHAF NottsSward, leaving the surface looking like it hasn't been subject to graffiti.

### Q. Why is sand brushed into the pile of the VHAF NottsSward surface?

A. Apart from the reasons listed immediately above it also has the added benefit of protecting the fibres of the VHAF NottsSward. Thus the sand will add to the longevity of the surface.

### Q. How long will a VHAF NottsSward surface last?

A. It is impossible to give an exact figure. However we indicate to potential customers that should they maintain the surface on a regular basis then the surface should last between 8-10 years. Many of our clients have had surfacing which has lasted a lot longer. There are many examples in the UK of ChildsPlay areas within public parks lasting for over 15 years.

### Q. How is VHAF NottsSward 'stuck down'?

A. The material is not 'stuck down' to an existing surface. The previously mentioned sand is brushed into the VHAF NottsSward at a rate of between 18-20kg per metre and this is sufficient weight to hold it in place without having to stick it down. The VHAF NottsSward surface will also be tensioned and secured at the edges during installation, and this also helps keep the surface 'in place'.

### Q. How are different pieces of VHAF NottsSward stuck together?

A. There are a number of scenarios where you will need to join two pieces of VHAF NottsSward together: when you come to adjacent rolls, where you have had to make a cut in the material so as to fit it around some play equipment or where you have different coloured pieces. Where such a scenario is encountered then a carrier tape with glue impregnated into it is evenly placed under both pieces of VHAF NottsSward. By means of a 150mm wide seaming iron the impregnated glue within the carrier tape is heated up. While the glue in the tape is still hot and before it cures, the VHAF NottsSward is placed over the carrier tape and the two pieces of VHAF NottsSward are bonded together instantly. The Hot Melt glue method is the most commonly used, but where that is not appropriate then cold glue may be used.

### Q. How is VHAF NottsSward secured at the edge of an area?

A. There are two methods that are most commonly used. One is used on grass areas and the other on hard surface areas such as asphalt or concrete. We will deal with the grass one first:

#### GRASS

- When the area to be surfaced has been defined then a timber frame is constructed around the perimeter of the area. The timber frame is set 5mm below the proposed finished level of the surface.
- When the VHAF NottsSward is due to be laid then the Authorised Installer will overlap the material by 100mm past the edge of the area to be surfaced.
- A deep channel of turf is cut out around the timber frame thus exposing the back of the timber framework.
- The 100mm overlap of VHAF NottsSward is then laid over the exposed timber and secured to the timber using 25mm galvanised nails.
- The channel of turf is then put back in place.
- The customer is left with a surface that leads straight onto the surrounding grass and one that is secured below the ground, making it virtually impossible to pick away at from the edges.

#### ASPHALT/CONCRETE

- The Authorised Installer will cut a groove into the asphalt concrete at the perimeter of the area to be surfaced. The groove should be approx. 12mm in width and 50-75mm deep.
- When it gets to the point where the VHAF NottsSward is due to be laid then the Authorised Installer will overlap the material by 50-75mm past the edge of the area to be surfaced.
- Using a hammer and bolster they will then tuck the overlapped VHAF NottsSward into the groove created earlier.
- The VHAF NottsSward doubles up in the groove to create a tight fit that will remain.

### Q. What kind of surface can VHAF NottsSward be laid onto?

A. VHAF NottsSward can be laid onto any kind of surface, as long as the surface that it is being laid onto is 'level, porous & firm'. So if you have a soil area that is level and porous but not firm then we recommend adding a stone base onto soil to aid drainage and suppress weed growth. If you have a concrete area that is firm and porous but not level then you would have to apply some form of levelling medium to the area etc.

## GET IN TOUCH...

To find out more about how you can benefit from Notts Sport's range of synthetic surfacing solutions – and gain expert advice and assistance to plan, manage and complete your project – simply call Pan India on +91.9881101342 or visit the web site at [www.panindiaplay.com](http://www.panindiaplay.com).





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