

# nottssport<sup>®</sup>///:

Synthetic Surfacing / Multi-Sports



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

Design a Multi-Use Games Area in Minutes!  
Our step-by-step guide to planning a custom sports and games facility

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



## YOUR GUIDE TO CREATING A TAILOR-MADE MUGA

Multi-Use Games Areas – or MUGAs – are the cost-effective way to provide a wide range of sports and activities in one self-contained area. Notts Sport's high-quality MUGA solutions comprise key components to create just the right performance for activities such as soccer, tennis, hockey and basketball, topped by a high quality durable carpet surface available in a choice of energetic colors.

This handy guide takes you through all the options to create a first-rate MUGA up to the size of two tennis courts, tailor made to your needs.

Simply look at each step and choose the appropriate options for your facility.

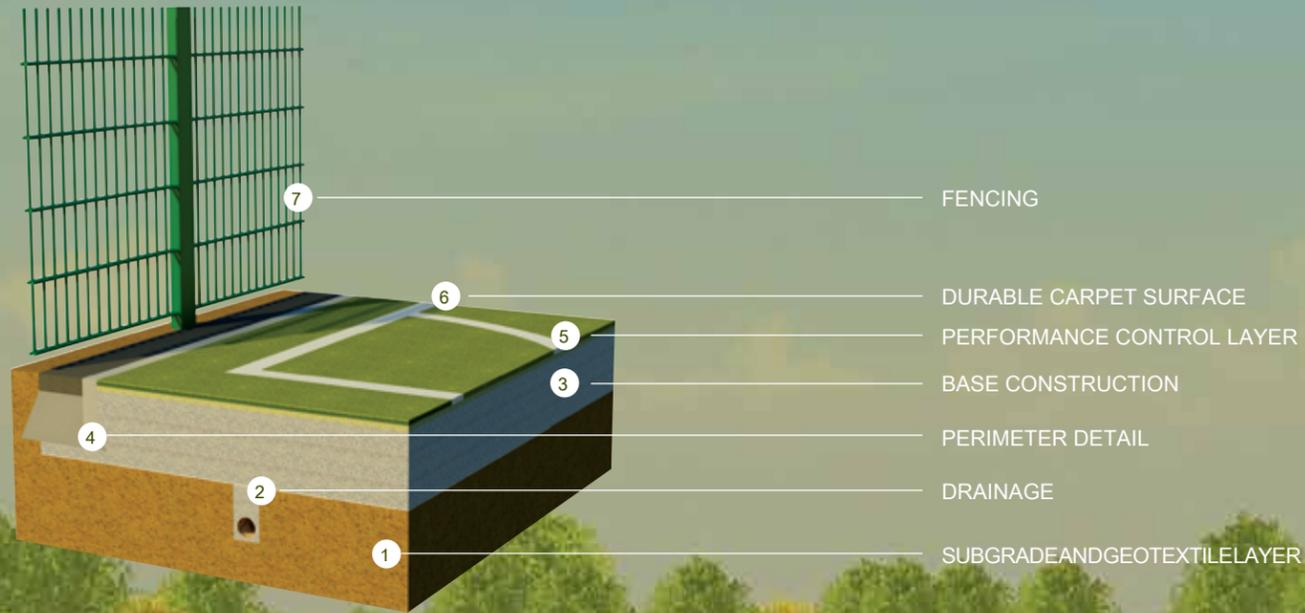
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## BENEFITS OF AN OTTSSPORT® MUGA

- High quality performance
- Year-round use
- Sustainable designs
- Compliant with ADA Requirements
- Healthier lifestyles
- Socially inclusive
- Revenue generation
- Wider extracurricular activities
- Environmental Benefits

# TO PLAY AT YOUR BEST, PLAY ON THE BEST!

Consistent performance, low maintenance and a user-friendly design are key components of a top-class MUGA. Here's how they add up to a facility that will keep on playing for years.



**1. SUBGRADE AND GEOTEXTILE LAYER:** The existing ground (e.g. grass) is stripped and the Subgrade is leveled, compacted and covered by a geotextile layer.



**2. DRAINAGE:** A network of underground perimeter drains helps channel rainwater from the facility.



**3. BASE CONSTRUCTION:** Typically 11–16" deep, the base construction offers suitable structural stability to support the activities and design chosen.



**4. PERIMETER DETAIL:** Concrete curbs and tamper-resistant edging retains the playing surfacing and overall construction.



**5. PERFORMANCE CONTROL LAYER:** Choose from a range of specialised shockpad/performance control options to suit the sports and activities you wish to support.



**6. DURABLE CARPET SURFACE:** Specialised durable carpet surfaces are designed to meet the requirements of your sporting activities.



**7. FENCING:** Keep the ball in play and your MUGA secure with robust perimeter fencing and rebound features.



## STEP 1: CHOOSE YOUR BASE

The sports and activities you would like your MUGA to provide will determine your choice of base. There are two types available; the Dynamic Pitch Base and the Engineered Pitch Base.

**DYNAMIC PITCH BASE:** The Dynamic Pitch Base is made from layers of compacted and leveled stone aggregate. This offers a cost effective foundation over which the performance/shock pad layer is fitted. The aggregate also provides additional shock absorption for high-impact sports such as soccer and field hockey.



**ENGINEERED PITCH BASE:** The Engineered Pitch Base consists of asphalt laid over compacted and leveled stone aggregate. This asphalt base provides a highly stable construction for sports requiring ball bounce such as netball, basketball and tennis.



## STEP 2: PICK A PERIMETER CURB

Your choice of perimeter should be determined by how secure your MUGA facility will be – for example, will it be open to the public and unsupervised, or limited to supervised classes or club users?

SINGLE LINE CURB



DOUBLE LINE CURB



**SINGLE LINE CURB:** A Single Line Curb is an ideal standard for the majority of MUGA facilities. This traditional, cost-effective perimeter detail helps to ensure the longevity and tamper-resistance of the surface, by finishing flush with the surrounding ground and preventing surrounding vegetation encroaching onto the playing surface.

**DOUBLE LINE CURB:** A Double Line Curb provides a superior-strength, tamper-resistant edge by enclosing the perimeter of the durable carpet between two precast concrete curbs and securing it below ground level. This finish also prevents surrounding vegetation encroaching onto the playing surface.



8 **STEP 3: DECIDE ON PERFORMANCE**

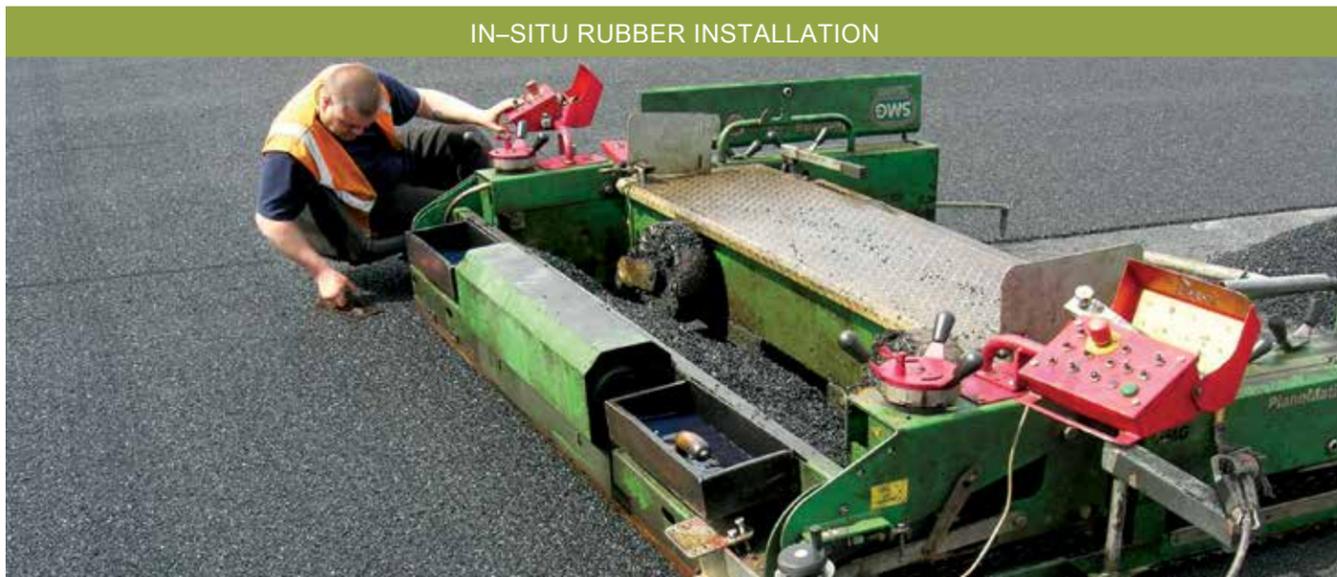
The shockpad layer will control your MUGA's playing performance for different sports and activities. It will also play a big part in determining the lifespan of the facility, and your project cost.



NOTTSPAD SP



NOTTSPAD XC



IN-SITU RUBBER INSTALLATION

**NOTTSPAD SP**

The shock-absorbing NottsPad® can be laid over a Dynamic or Engineered Pitch Base. The shockpad makes it ideal for sports like hockey and soccer.

- Longer lifespan (equivalent to 2 durable carpet surfaces)
- Long-term cost-effectiveness
- Quicker installation time and reduced construction costs
- Very porous for playability after rain

**NOTTSPAD XC**

The shock-absorbing NottsPad XC® is laid over a Dynamic or Engineered Pitch Base. The shockpad makes it ideal for sports like field hockey and soccer.

- Longer lifespan (equivalent to 2 synthetic turf surfaces)
- Long-term cost-effectiveness
- Quicker installation time and reduced construction costs
- Very porous for playability after rain

**IN-SITU RUBBER**

Playing performance is controlled by the bound rubber layer (typically 0.5" for soccer/field hockey and development level tennis/netball). This is laid over an Engineered Pitch Base only and the rubber is topped by your choice of durable carpet.

- Rubber will typically need replacing at the same time of each durable carpet surface
- Quick installation process and low initial installation cost
- Less porous than other systems and can only be laid onto a bound Engineered Base
- Machine laid to accurate tolerances

SHOCKPAD OPTIONS	ACTIVITIES SUPPORTED	TYPICAL LIFESPAN	BASE OPTION
NOTTSPAD SP		20 YEARS	DYNAMIC & ENGINEERED
NOTTSPAD XC		20 YEARS	DYNAMIC & ENGINEERED
IN-SITURUBBER		10-12 YEARS	ENGINEERED
CONCRETE / ASPHALT / STONE		15-20 YEARS	N/A

## STEP 4: A CHOICE OF TOPPINGS

The synthetic turf surface you choose will be largely determined by the activities your MUGA will offer. The surface will also offer additional protection for the underlying performance layer, the combination of which increases the lifespan and long-term cost-effectiveness of your facility.



### SAND-DRESSED TUFTED GRASS

Sand-dressed tufted grass is the choice for high level hockey and requires minimal maintenance in its lifespan.

- Extremely impressive visual appearance
- Maintenance frequency increases over time
- Surface likely to wear quicker than sand-filled
- Seaming construction method offers standard seam strength



### VHAF® SAND-FILLED DURABLE CARPET

Needle-punched durable carpet has the longest lifespan with increased drainage capability and requires reduced frequency of maintenance.

- Versatile surface with longer lifespan
- Higher resistance to vandalism and low maintenance
- Excellent drainage
- Seaming construction method reduces risk of split seams
- Environmental benefits



### 3RD GENERATION (3G) TUFTED MANUFACTURED SYNTHETIC GRASS

A long pile (1.5–2.8”) synthetic grass, partially sand-filled with the remaining upper pile filled with loose rubber crumb to provide performance characteristics predominantly for soccer.

- Only generic type of surface that complies with FA requirements for competitive soccer but is not suitable as a multi sport surface
- Aesthetically the area will look as much like real turf as possible
- The long pile and loose infill requires increased maintenance and life costs
- The backing is a separate component to the fibres which produces standard seam strength

SYNTHETIC TURF OPTIONS	ACTIVITIES SUPPORTED	TYPICAL LIFESPAN*
SAND-DRESSED TUFTED GRASS		8-10 YEARS
VHAF SAND-FILLED DURABLE CARPET		10-12 YEARS
3G GRASS		10 YEARS



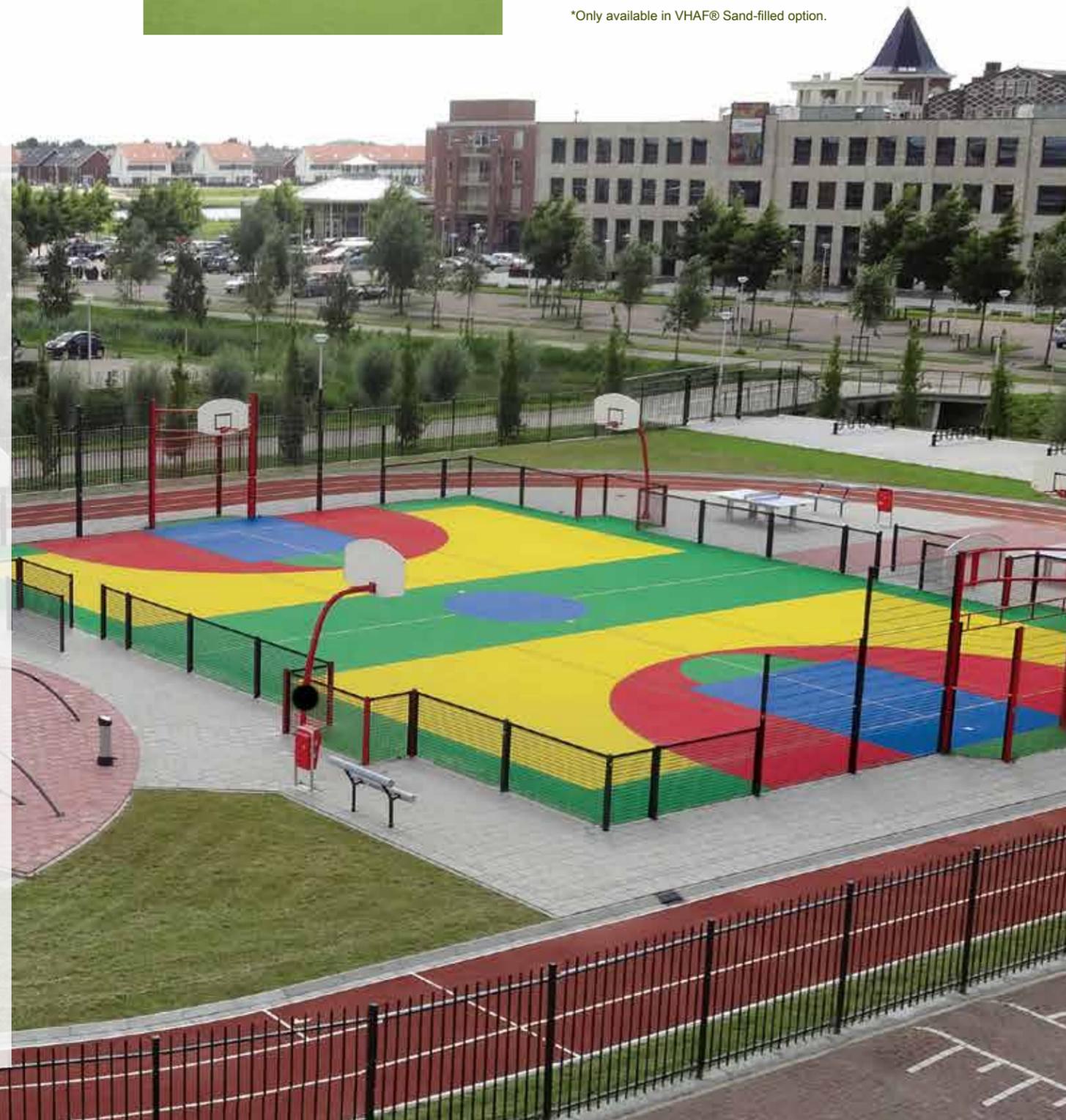
## FOOTPRINT OPTIONS\*

Your MUGA surface can be designed to suit the activities on offer, with inlaid lines used to mark out different sports and games.

VHAF® Sand-filled is also available in 15 energetic shades – from Grass Green to Sunset Orange – offering vast scope for using color. They can also be used to compliment urban or rural landscapes.

Your organisation's name or a revenue-earning sponsor's logo can be inserted into the playing surface.

\*Only available in VHAF® Sand-filled option.



BEFORE



DURING



## REFURBISH YOUR EXISTING FACILITY... AT A FRACTION OF THE COST OF A NEW SYNTHETIC TURF PITCH!

A Notts Sport refurbishment is a quick and cost-effective way to extend the life of an existing sports pitch – carried out in less time than installing from scratch, and for a much smaller outlay.

Here's how it works...

- Notts Sport provides free condition checks for existing facilities to help customers plan and budget for an appropriate refurbishment scheme.
- Existing synthetic turf facilities – as well as surfaces such as asphalt, concrete or redgra shale – can be refurbished, in many cases with the existing materials incorporated as a base for Notts Sport's specialised durable carpet.
- Facilities are designed to the requirements of each individual customer, meeting all relevant performance standards, and can be tailored for individual sports, such as soccer, hockey and tennis, or as a versatile MUGA.
- Shorter installation times for refurbishment projects mean that facilities are back in use quickly, so that local authorities and private owners don't lose revenue.
- Notts Sport assures full quality control and minimal disruption throughout the installation of its products through its approved network of trained, qualified distributors.



AFTER

### STEP 5: GET IN TOUCH!

We hope this brochure helps to illustrate all the components that make up a great MUGA, and that you have already started to build up an idea of what your new facility will be like.

Of course, if you have any questions at this stage, simply give us a call and we will be happy to help. Alternatively, fill out the checklist below.



#### YOUR MUGA SHOPPING LIST

1. WHAT BEST DESCRIBES THE SURFACE OF THE PROPOSED AREA?

- Grass
- Asphalt/Concrete
- Stone/Sand

2. WHAT IS THE APPROXIMATE SIZE OF THE AVAILABLE AREA?

.....

3. WHAT IS/WAS IT USED FOR?

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#### 4. YOUR DESIGN CHOICES:

BASE:	
CURB EDGING:	
SHOCKPAD:	
DURABLE CARPET:	
FENCING:	
FLOODLIGHTING:	



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