

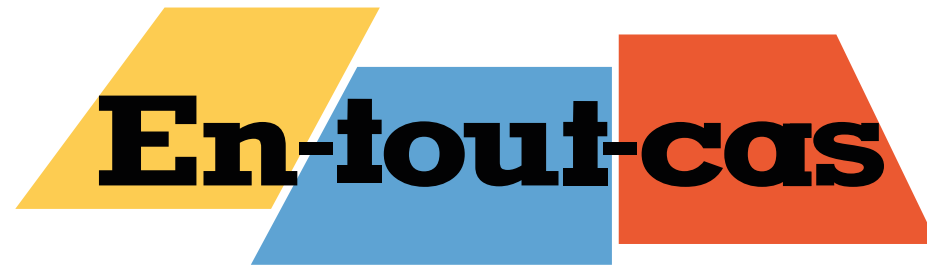


**The finest name in tennis courts since 1909**









En-Tout-Cas has been making the world's finest and best-known tennis courts for more than one hundred years.

Famed for their playability and long life, they are a byword for British quality.





# Contents

<b>Six great surfaces: comparison chart .....</b>	<b>6</b>
<b>Quality – assured by design .....</b>	<b>7</b>
<b>Construction – Features and Benefits .....</b>	<b>8</b>
<b>Extras .....</b>	<b>10</b>
<b>Pladek .....</b>	<b>12</b>
<b>Tenniturf .....</b>	<b>14</b>
<b>Sporturf .....</b>	<b>16</b>
<b>Savanna .....</b>	<b>18</b>
<b>Omnicley .....</b>	<b>20</b>
<b>Matchplay .....</b>	<b>21</b>
<b>Garden tennis surrounds .....</b>	<b>22</b>
<b>Framing and landscaping your court .....</b>	<b>24</b>
<b>Clubs, schools, public sector and major projects .....</b>	<b>26</b>
<b>The En-Tout-Cas Heritage .....</b>	<b>28</b>

*En-Tout-Cas has been building the world's finest and best known tennis court surfaces since 1909.*

*Quality comes first at En-Tout-Cas and always has. That's why you will find our courts in use all over the UK.*

*Today we combine a proud heritage, an unashamedly old-fashioned pride in our craftsmanship and a commitment to innovation and modern technology.*

*The result is a court that looks beautiful and will play well year, after year, after year...*

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## En-Tout-Cas Group

En-Tout-Cas Tennis Courts Ltd and Anglia & Midland Sports Surfaces, high-quality tennis court and multi-use games area builders with more than 38 years trading, and ENTC (Elliott Construction (Anglia) LLP), which also carries out civil engineering groundworks, offer the full range of En-Tout-Cas products and services.





## Summary

**Porosity**

**Drying**

**Ball speed**

**Ball bounce**

**Comfort**

**Colour**

**Foothold**

**Lifespan**

*(Playing on a frozen court will reduce its life)*

**Applications**

**Maintenance**

## Pladek

Porous

Fast

Medium

Medium

Hard

Red/green or two-tone green (others available)

Good on dry and wet, not damp

12-15 years (varies on usage)

Tennis, netball and basketball

Moss killing, deep clean, bindercoat and paint after 5-7 years

## Tenniturf

Porous

Medium

Fast

Low

Comfortable

Grass green

Good

Heavy club use 12+ years, private use – indefinite

Tennis, 5-a-side football and hockey

Regular brushing, moss killing

## Sporturf

Porous

Medium/Slow

Medium/fast when wet

Low

Comfortable

Terracotta or grass green

Very good

Heavy club use 12+ years, private use – indefinite

Tennis, 5-a-side football, hockey, cricket, basketball and netball

Regular moss killing

## Savanna

Porous

Fast

Medium, wet and dry

Low

Very Comfortable

Grass green

Good

Heavy club use 18+ years, private use – indefinite

Tennis, 5-a-side football, hockey, cricket, basketball, bowls and netball

Occasional brushing, moss killing

## Omnicley

Porous

Medium

Medium, wet or dry

Low

Comfortable

Red or grass green

Very Good

Heavy club use 12+ years, private use – indefinite

Tennis

Daily brushing, moss killing

## Matchplay

Impervious

Slow

Medium, wet or dry

Low

Hard to Soft as specified

Red/green or two-tone green (others to special order)

Good

Heavy club use – 10 years

International tournament tennis

Moss killing and washing



## Quality – assured by design...

Just what makes an En-Tout-Cas tennis court such a universally popular surface? How has our service become the baseline against which court design is judged? We provide six different surfaces in our normal range: Savanna, Pladek, Sporturf, Tenniturf, Omniclay and Matchplay. Specialist surfaces are also available on request. Whichever suits your needs best, quality is assured.

We are fully committed to quality from the moment we visit to discuss your needs and survey your proposed site. We will take care of all the details, such as making sure that the court will fit the area you have in mind, give advice on orientation relative to the sun and ensure that it is located on stable ground. We will also ensure that tree roots will not be a problem and that the surface chosen will perform well in the location. We will design a route for construction which will respect and protect your existing landscape.

Following these initial evaluations, we will recommend the most appropriate surface and submit a specification and estimate for a total design and build contract. There will be no short-cuts in material specification, no casual labour and nothing but the very highest standards. All materials are EU-sourced and are checked and approved by us before they are used. We employ our own construction teams, each of which is led by a foreman who is a highly experienced specialist craftsmen in tennis court construction.

To reinforce this dedication to quality assurance, our construction manager will make regular site visits to carry out detailed quality inspections.



***Above: We use our own highly skilled craftsmen and task-specific specialist equipment to ensure perfect performance.***



***En-Tout-Cas have a central depot at the head office in Oundle where materials are delivered, checked, held in stock and then reloaded on our own sensibly sized lorries so that, when delivered to your site, we know they are correct. This also gives us the ability to carry out construction efficiently and with much less mess as well as not having to wait for delivery of materials.***

***Left: Lorry with complete set of Savanna sand infill and 4 wheel drive forklift going to site.***

## Construction – Features and Benefits

Construction Type	Features	Benefits
Earthmoving	We use our own highly skilled excavator drivers and, where possible, our own eight- and 13-tonne steel-tracked Caterpillars fitted with laser levelling equipment.	We know how important it is to compact the ground properly and to get the site level with a minimum of bumps in the formation. A 50mm ridge in the formation could trap water in the base. At the same time as laying the foundations, we place and spread topsoil ready for landscaping around the court.
Geotextile	We supply 1000 grade geotextile from our own yard as a weed barrier and to separate the foundation stone from the earth below.	The geotextiles available from builders' merchants are often thick and do not drain well, this keeps water in the stone. In this case, less is more.
Foundation Stone Depth	The depth of stone we lay is compliant with the Lawn Tennis Association's accepted code of practice for your type of land.	An inadequate base may frost heave and go bumpy or not support the loads imposed in construction. This makes it impossible to achieve reasonable surface tolerances.
Foundation Stone Type	We select suppliers of Type 1 roadstone which is both porous, hard and non-frost susceptible. We do not use crushed concrete or other second quality frost-susceptible materials.	Type 1 is a roadstone grading, some will drain, some will not. Tennis courts are not roads – they let water into their base. Roads keep the water out of the base, so the demands for tennis court materials are far greater than just a roadbase. Poor roadstone such as soft limestone will go bumpy on the surface and may not drain after a period of time, even if they do so initially. Type 3 fines reduced stones are not always readily available in many areas of the country, so we use our extensive skills and knowledge in every job. This is another reason for using our own skilled craftsmen for excavation to judge each load of stone.
Equipment	We own our fleet of specialist tennis court rollers, powered straight edges and macadam loaders.	We can ensure that we use the best equipment for the job and that all items have been cleaned and maintained to give smooth, efficient operation resulting in a better tennis court.



Construction Type	Features	Benefits
Macadams	Specialist tennis court surfacing material is 30% more expensive than, for instance, 6mm medium grade BS4987, which is footpath macadam. This may not drain and may have soft aggregates that migrate out of the surface. It may also suffer rust staining from iron aggregates.	It is said that hard courts bounce high, do not drain and fail early. These descriptions are usually of copy tennis courts, not real tennis courts. A surface that is not smooth will grab the ball and stand up. A dense macadam will not drain.
Tennis Posts	Our posts are made from 76mm box with 3.2mm wall thickness steel, with lug-on post to locate in a cut-out socket. Polyester and nylon reinforced, powder coated in black. Brass British-made winder. Brass pulley and spindle in winder and anchor posts. We also have lightweight aluminium netposts with an oak finish for courts that are going to be used for multi-use and the netposts removed regularly.	<div> <p>These posts will easily last for more than 20 years without a problem. The pulley on the anchor post stops the paint being scuffed and the net cord scredded.</p>  </div>
Netpost Sockets	Our netpost sockets are galvanised boxes which are concreted into the ground. A galvanised socket with a trapdoor lid or carpet infill is then dropped into the box. When the tarmac has been laid we adjust the socket to come flush with the actual finished level of the tarmac.	<div> <p>If the socket is fixed and even slightly too high or too low it becomes a trip hazard when the netposts are removed to use the courts for other sports such as soccer, hockey or netball.</p> <p>Ground sockets are a plunger type which will not break or rust.</p> </div>
Chainlinked Netting and Fence Posts	<div> <p>We use 3.5mm, plastic-coated galvanised hard wire netting through which we thread five line wires.</p> <p>Our bespoke fence posts are made by our in-house blacksmith, allowing us peace of mind about the quality as it is all galvanised and painted. It also allows us to create elegant individual designs for special situations.</p> </div>	<div> <p>Hard wires will not go baggy when 5-a-side balls and the likes are kicked at them. Galvanising will stop any rusting while the British plastic coating will not fade for a very long time.</p> <p>Threading the line wires through the netting holds it much more taut and, of course, there are no clips to fail and it can be re-tensioned.</p> </div>





*One of our practice panels, easier on the eye than a solid wall and far better to play against, as the ball returns at a natural pace and manner. When installed against a solid background, the panel disappears almost as much as the Obelisk fencing. Available in 2.5m wide multiples.*



## Extras

Many courts installed today could almost be described as all year round sports lawns, as they are usable for many other sports besides tennis. To this end we have developed a cricket batting net which folds away, a rebound tennis panel which plays much more realistically than a wall and we can also integrate football and hockey goals into the fence with soft netting to the rear.

We can also provide a retractable lighting system to prolong play past October, when it gets dark early, without the need for imposing lighting columns.



*Removable cricket batting net*



*Goal recess  
ready for net*



*Retractable  
lighting*





## Pladek Court Performance Summary

<b>Porosity</b>	Porous
<b>Drying</b>	Fast
<b>Ball speed</b>	Medium
<b>Ball bounce</b>	Medium
<b>Comfort</b>	Hard
<b>Colour</b>	Red/green or two-tone green (others available)
<b>Foothold</b>	Good on dry and wet, not damp
<b>Lifespan</b>	12-15 years (varies on usage)
<b>Applications</b>	Tennis and netball
<b>Maintenance</b>	Moss killing, deep clean, bindercoat and paint after 5-7 years



***Fencing at 2m high to comply  
with planning rules in Areas of  
Outstanding Natural Beauty.***



## Pladek® – porous hard court

**P**ladek is a long-established playing surface that can be found in a wide variety of locations from homes, schools, colleges, universities, tennis and sports clubs to superior courts in public parks.

What makes our Pladek surface popular is our attention to detail during the construction of a new sports facility. We pride ourselves in attention to detail at every stage of the construction process and, above all, in the way that our Pladek surface plays. Pladek is a smooth, even, well-rolled surface that provides consistent playing characteristics and low bounce.

Our specially formulated bitumen macadam provides a smooth, well compacted surfacing course ready to receive our Pladek acrylic colour coat finish. This is spray applied to the macadam.

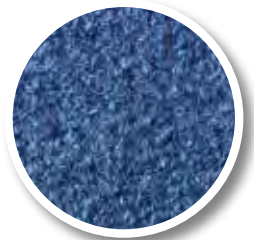
The Pladek colour coating is specially formulated to provide improved grip by its use of silica-based additives that are incorporated into the colour coating at the time of manufacture.



The Pladek finish reduces the surface friction of the court in a controlled manner, whilst retaining a sound grip for playing in the wet. However, it may be slippery when just damp. We offer a range of Pladek colour options for the finished surface, together with line marking for your chosen sports. The Pladek colour coating is UV-resistant and protects the construction layers below from ultra-violet degradation and surface wear. The life expectancy of the completed project is therefore enhanced. With reasonable levels of after care and maintenance, it will give many years of consistent playing characteristics.

**Drawbacks:** Pladek is a hard court with no cushioning.

**If cushioning is important, but you definitely want hard court play characteristics or netball is a priority use, we have the answer in TexPlay® 2, a polypropylene, diamond patterned, needle punch material.**



### Maintenance

Our Pladek surface requires a low level of maintenance in order to maintain its optimal playing characteristics. The surface will benefit from the removal of leaves and debris as they arise. Occasional deep cleaning and moss-killing four times per year will maintain the porosity and matrix of the surface. Depending on usage and environment, a Pladek surface will need to be re-sprayed after five to seven years. We offer ongoing maintenance, repair and after care for our complete range of sports surfaces.



## Tenniturf Court Performance Summary

<b>Porosity</b>	Porous
<b>Drying</b>	Medium
<b>Ball speed</b>	Fast
<b>Ball bounce</b>	Low
<b>Comfort</b>	Comfortable
<b>Colour</b>	Grass green
<b>Foothold</b>	Good
<b>Lifespan</b>	Heavy club use 12+ years, private use – indefinite
<b>Applications</b>	Tennis, 5-a-side football and hockey
<b>Maintenance</b>	Regular brushing, moss killing

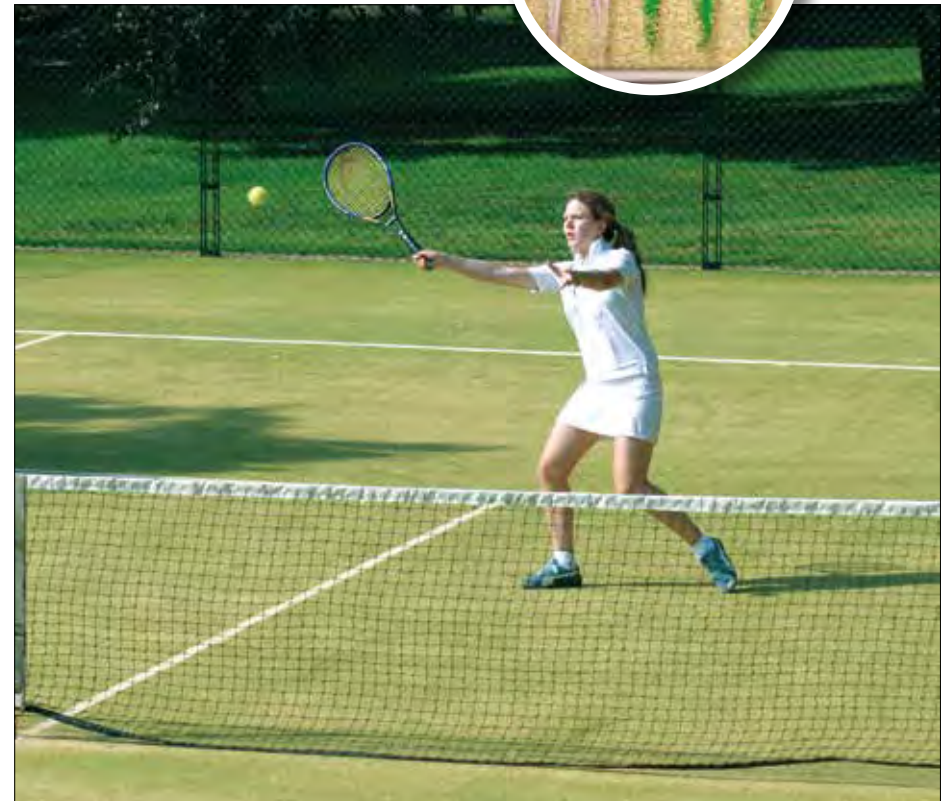


# Tenniturf® – porous sand-filled artificial grass

**T**enniturf is a traditional sand-filled artificial grass. The sand comes right up to the surface of the polypropylene fibres to avoid flattening with use. It has been tried and tested for more than 30 years, looks great and, when given proper and regular maintenance, will last for many years. Tenniturf is a medium pace surface and will give good grip when wet or dry.

**Drawbacks:** When it is wet the balls will shoot through faster, the player is constantly in contact with the sand on shoes, hands etc. It needs regular brushing. All of these factors should be taken into consideration when you are choosing your playing surface – we are happy to advise other products to suit your needs if Tenniturf is not suitable. It should be considered solely as a tennis and cricket surface as there are much more appropriate surfaces in the range for multi-use.

The sand needs to be swept regularly when in heavy use, such as at a club, or it will consolidate and need extensive removal and replacement of the sand infill.



## Maintenance

The common theme of regular brushing, removal of leaves and regular spraying with moss killer four times per year remains throughout our product range. As part of our commitment to completed projects we offer our own after care and maintenance service, so please feel free to contact us for further information.

**N.B.** Tenniturf must be maintained regularly. If this is carried out the court will give many years of good service. If it is allowed to get excessively mossy it is difficult to overhaul, in comparison to Sporturf, Pladek or Savanna.





## Sporturf Court Performance Summary

<b>Porosity</b>	Porous
<b>Drying</b>	Medium/Slow
<b>Ball speed</b>	Medium/fast when wet
<b>Ball bounce</b>	Low
<b>Comfort</b>	Comfortable
<b>Colour</b>	Terracotta or grass green
<b>Foothold</b>	Very good
<b>Lifespan</b>	Heavy club use 12+ years, private use – indefinite
<b>Applications</b>	Tennis, 5-a-side football, hockey, cricket, basketball and netball
<b>Maintenance</b>	Regular moss killing



## Sporturf® – porous sand-dressed artificial grass

Sporturf's consistent, even, medium pace allows for stroke play. It has been developed and refined over several years to provide clients with an alternative surface to the traditional sand-filled sports carpets such as Tenniturf. If you are going to use the court intensively or you want to minimise ongoing maintenance costs, Sporturf offers several advantages. A polyethylene yarn which is very hard wearing, it has sand to just below the surface allowing play even in rain.

Sporturf is a truly multi-purpose surface that is especially suited to tennis, netball and cricket and also good for basketball, hockey and five-a-side football. Play takes place on the fibre of the product, so it is ideal for tennis court and multi-purpose area upgrades.



Its even, medium pace makes Sporturf good for coaching, family tennis and competitions. Play lines laid into the carpet remain prominent throughout the life of the surface. Sporturf is available in green and terracotta finishes.

**Drawbacks:** The player touches sand and the surface does not dry very quickly.

### Maintenance

After an initial settling period, Sporturf requires a lower level of maintenance compared to the traditional sand-filled sports carpet. The surface should be kept free of leaves and other debris, it should be swept on an occasional basis to maintain the sand within the surface at consistent levels. Moss-killing operations should be undertaken four times per year to maintain the optimum playing characteristics of a Sporturf surface. We provide an ongoing maintenance and after care service for Sporturf.



## Savanna Court Performance Summary

<b>Porosity</b>	Porous
<b>Drying</b>	Fast
<b>Ball speed</b>	Medium, wet and dry
<b>Ball bounce</b>	Low
<b>Comfort</b>	Very Comfortable
<b>Colour</b>	Grass green
<b>Foothold</b>	Good
<b>Lifespan</b>	Heavy club use 18+ years, private use – indefinite
<b>Applications</b>	Tennis, 5-a-side football, hockey, cricket, basketball, bowls and netball
<b>Maintenance</b>	Occasional brushing, moss killing





## Savanna® – half sand-filled artificial grass

**W**e have developed the Savanna court into what is probably the most advanced synthetic tennis surface on the market. Savanna is a soft and durable tennis surface. Its specialist fibre construction gives increased cushioning underfoot and consistent ball bounce.

Unlike most modern tennis systems, Savanna is a half sand-filled surface, leaving enough exposed fibre so that users can appreciate its aesthetics. It also offers the benefit of keeping the sand away from the surface of the court. As a result, players stay isolated from the sand and the court plays at a consistent pace whether it is wet or dry. The surface dries very quickly after rain in comparison with the sand filled or sand dressed surfaces. Savanna is stitched much closer than Tenniturf or Sporturf and uses polyethylene rather than polypropylene. It therefore allows the fibres to stand up with much less sand infilling and allows a degree of slide. Savanna gives many of the great play characteristics of Omniclay without the sand at the surface and the need for regular brushing.



*Savanna feels fantastic underfoot and it plays as brilliantly as it looks.*

**Drawbacks:** Savanna does not grip as much as Omniclay in heavy rain.

### Maintenance

Occasional brushing, removal of leaves and spraying four times per year with moss killer remains the theme throughout our product range. As part of our commitment to completed projects we offer our own after care and maintenance service, so please feel free to contact us for further information.

*Left: The smooth, comfortable nature of the Savanna surface makes it ideal for a game of five-a-side football, hockey, rugby training, cricket, netball or bowls.*





Omniclay surface

## Omniclay Court Performance Summary

<b>Porosity</b>	Porous
<b>Drying</b>	Medium
<b>Ball speed</b>	Medium, wet or dry
<b>Ball bounce</b>	Low
<b>Comfort</b>	Comfortable
<b>Colour</b>	Red or grass green
<b>Foothold</b>	Very Good
<b>Lifespan</b>	Heavy club use 12+ years, private use – indefinite
<b>Applications</b>	Tennis
<b>Maintenance</b>	Daily brushing, moss killing





# Omniclay – porous artificial clay

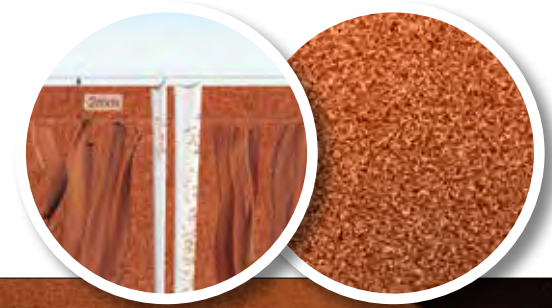
## The benefits of a clay court, with few of the drawbacks

Omniclay provides an ideal surface for clubs or individuals wanting a court with the characteristics of natural clay but without the negative aspects of heavy and costly maintenance. Omniclay courts are tested to ITF-approved standards for tournament play.

Omniclay's rapid drainage properties allow play to commence during all wet conditions without the court's characteristics being affected. Omniclay courts offer the same play conditions as natural clay, including ball bounce, typical traction and a natural look.

Omniclay offers a range of benefits including high UV-stability and polyethylene yarn, no cracking (unlike natural clay), rapid drainage (also unlike natural clay), environmentally friendly, no more tape lines (all inlaid into the surface), stability for indoor and outdoor use, all-year-round play and the characteristics of natural clay.

The lines on Omniclay are slightly higher than the rest of the court to retain better line visibility than similar courts.



Real clay



With Omniclay you get everything you would expect from a clay court – except of course the maintenance cost and effort of real clay. So, if you prefer the kind of bounce, spin and slide you get from clay, you should try one of our Omniclay courts.

**Drawbacks:** There is loose sand on the surface and the court requires daily maintenance. The lines are not as clear as on a Savanna court.

### Maintenance

Daily brushing, removal of leaves and spraying four times per year with moss killer remains throughout our product range. As part of our commitment to completed projects we offer our own after-care and maintenance service, so please feel free to contact us for further information.

*Left: Omniclay is loved by many professional players. One commented that besides being soft on the feet, allowing long rallies, it was fun to play on.*





## Matchplay Court Performance Summary

<b>Porosity</b>	Impervious
<b>Drying</b>	Slow
<b>Ball speed</b>	Medium, wet or dry
<b>Ball bounce</b>	Low
<b>Comfort</b>	Hard to Soft as specified
<b>Colour</b>	Red/green or two-tone green (others to special order)
<b>Foothold</b>	Good
<b>Lifespan</b>	Heavy club use – 10 years
<b>Applications</b>	International tournament tennis
<b>Maintenance</b>	Moss killing and washing





# Matchplay® – impervious American cement

## New technology for club and competition use

Cement courts, plexipave courts, greenset courts and similar phrases are all terms used in the tennis world to describe acrylic tennis court systems. Originally developed in the USA, this type of product has now found its way into the tennis market on a worldwide scale. However, these acrylic-based systems are not without their challenges – cracking, shrinkage and life expectancy are common problems with this type of product.

They are slow draining, however, this surface type is still very popular for club and competition use and that is why En-Tout-Cas has introduced a range of 'acrylic style' tennis surfaces – but based on polyurethane technology.

The Matchplay range of products feature hard court, semi-cushioned (Deluxe) and full cushioned (Deluxe Pro) systems that are suitable for indoor and outdoor installations. Our Matchplay court club system is our entry-level product (a hard court design) with no cushion layer, which is suitable for installation on to a non-porous sub-base. It provides users with the surface appearance of an 'acrylic style' tennis court, but with the improved technology in the system make up. The cross linking of the polymers during the mixing and application process provides levels of durability that surpass traditional hard court products. This improves the overall life expectancy of the court installation and alleviates the cracking and shrinkage problems normally associated with this product style.

The completed installation has a seamless finish and provides good levels of traction underfoot in wet and dry conditions.

Our Matchplay Deluxe court competition system is a 'semi-cushioned' system that provides an improved feel underfoot in terms of comfort level whilst still providing all of the advantages of the polyurethane technology used in the system make up. Matchplay is suitable for club and competition use both indoors and outdoors.

Our flagship product is our Matchplay Deluxe Pro court system which has been developed as a full-cushioned system (from between 4mm to a 7mm shockpad system) which is installed directly onto the non-porous sub-base prior to the application of the sealer coat and flow coat surfacing system. This product is recognised by the ITF and has been classified as a medium fast court in accordance with the ITF performance standards.

The full Matchplay product range is non-porous and easy to maintain and clean. The systems provide consistent levels of performance both for the professional, club and recreational player. The high-quality UV-resistance package contained in the surface coatings make it suitable for installation both indoors and outdoors and the systems can also be used for non-sports activities such as exhibitions and speech days without the need for additional surface protection.

**Drawbacks:** Matchplay may sit wet for a considerable time in the winter when installed outside in the UK. Ideally it should be installed under cover.

### Maintenance

Please be aware that, as with all sealed courts, the Matchplay surface laid outdoors will need to be mopped of water after rain. At the end of its life-cycle, the installation can be quickly and easily re-surfaced without the need to replace the complete system.





*Variations of fence heights and designs.*



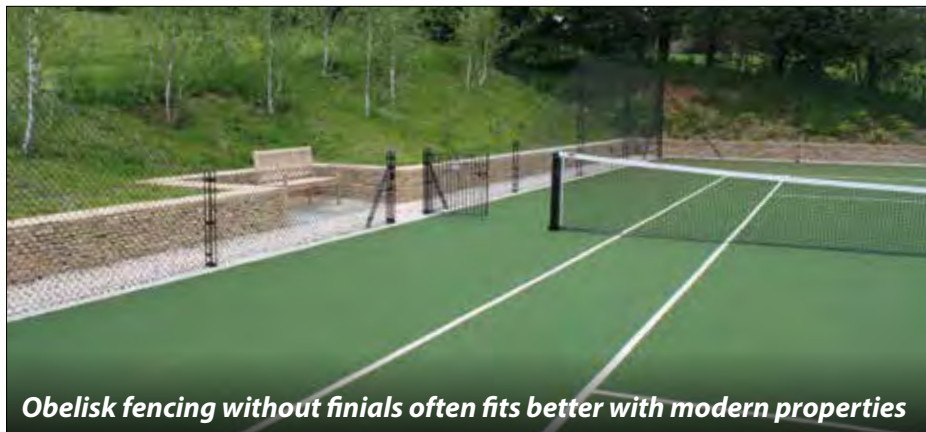


# Garden tennis surrounds – beautiful and practical

We offer court surrounds with estate tubular supports and with our own patented obelisk surround system. We can provide a full design and installation service on all courts. One of the great beauties of the obelisk system is that it is designed to support plant growth. Its slender Gothic stanchions are attractive to the eye and also provide the perfect base for climbing plants such as honeysuckle, clematis and roses. The result is a tennis court that blends harmoniously into its garden environment. To escape from the box-like effect of angle iron, the surround heights can also be varied. This retains the tennis court space within the garden area and further enhances the aesthetic appeal of the surrounds, giving uninterrupted lines of sight and enabling spectators to have a clearer view of the match. The whole experience of playing on a garden tennis court is really enhanced.

The beauty of the obelisk system is that close up it looks attractive, but from a distance it is virtually invisible, making a tennis court into a garden feature. This removes the need to plant and maintain new hedges. Surround heights can be varied to give added effect and a netting-free view for spectators.

Both surround foundations are bored down to full depth and then concrete-filled for greater stability for the fence and edgings, effectively creating a pile foundation for the edge of the tennis court.



*Obelisk fencing without finials often fits better with modern properties*



## Obelisk® Supports

- Strong and durable Gothic-style supports with slender stanchions.
- Supports plant growth such as honeysuckle, clematis and roses.
- Very attractive close up, yet hard to see from a distance – so the whole effect blends with the garden environment.
- Constructed of welded solid steel bar to withstand the strongest storm, galvanised and painted for long life.
- Available in dark green or black, the latter merges best with a country landscape.
- Uses the En-Tout-Cas system gates.

## Estate Tubular Supports

- Classic simple elegance.
- Extremely strong and virtually unbreakable 50mm thick walled poles.
- Achieves many of the aesthetic effects of obelisks.
- Modern appearance, galvanised and painted for long life.
- Choice of decorative finials such as acorns or balls.
- Uses the En-Tout-Cas system gates.



The Obelisk® Fencing System is protected by UK patent number: GB2332376.

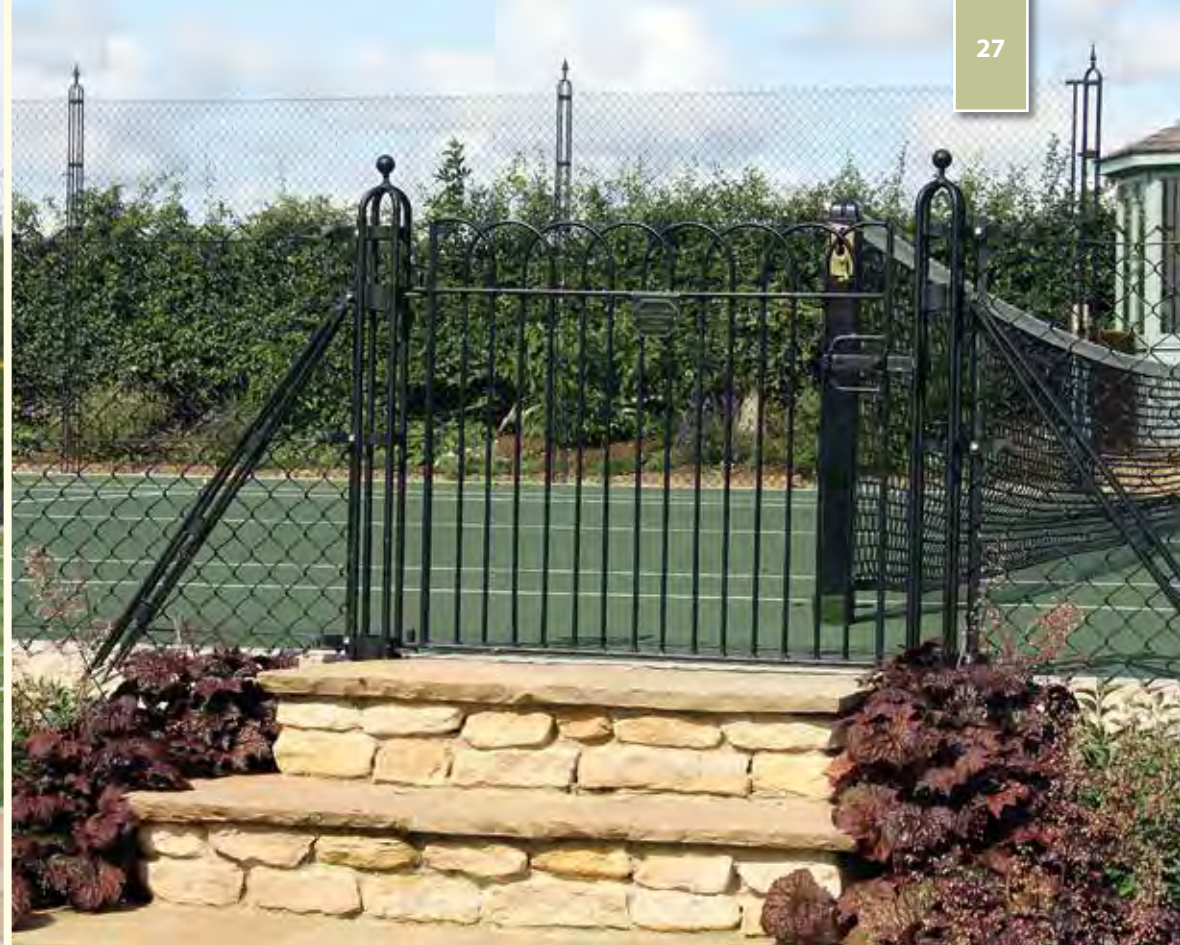


## Framing and landscaping your court

**An En-Tout-Cas court complements the natural beauty of its surroundings. That's why we take great effort to blend the court with its natural environment. As these images from some of our projects show, the results can be truly stunning.**







*Soft netting demountable fence*









## Clubs, schools, colleges, public sector and military

**E**n-Tout-Cas has a long and unparalleled history of working with schools, colleges and tennis clubs. Our track record is built upon a history of working as a trusted partner – that is why bursars, club secretaries, national contractors, council officers and committees know that En-Tout-Cas is a company that can be trusted to deliver.

We have the expertise not only to undertake the construction of courts and pitches in public and private schools, but also to upgrade existing facilities, from simply overlaying with new surfaces to complete reconstruction. We have the ability



and flexibility within our design team to achieve the best value, without loss of performance or durability. Our custom fencing ability can offer huge savings by integrating dual use on various facets of the build.

Safe working practices and safety in use will be incorporated into the design. Disabled access can easily be addressed. If impact resistance is required – how much? Once you decide which sports you need a surface for, we can produce a surface and facility to fit your requirements.

En-Tout-Cas work for many clubs, both small and large, councils, schools, universities, many national contractors, landscape designers and architects, government bodies and military services. Multi-Use Games Areas (or MUGAS for short) provide terrific playing surfaces for a variety of games and sports including football, tennis, basketball, hockey, netball and roller-skating.

En-Tout-Cas are one of the UK's most experienced contractors, providing synthetic sports pitches. We are also constructors of football pitches to the latest F.I.F.A. and B.S. Standards. We have designed and built hundreds of Multi-Use Games Areas. We specialise in complete design and build projects, from excavating the site and landscaping to manufacturing a fence support that doubles as a basketball post. We have the skills and knowledge to act as main contractors, guiding clients through safety regulations and liaising with planning authorities.



***En-Tout-Cas are among the UK's most experienced providers of synthetic sports pitches.***

Many of our team members have been with us for more than 30 years and deliver the highest standards of craftsmanship, skills, supervision and finished construction projects. At En-Tout-Cas, we are happy to explain the benefits and suitability of each surface, to give you the best possible sports surface for your needs.




## The history of En-Tout-Cas...

**E**n-Tout-Cas is the oldest and best known of all artificial tennis court surfaces. We have been manufacturing since 1909. Commander GW Hillyard, secretary of the All England Lawn Tennis Club Wimbledon and captain of the Great Britain tennis team, had seen artificial courts made from crushed ant heaps in South Africa. He asked Claude Brown, the manager of a coal merchants and a brickyard in Leicestershire, if he could produce something similar.

Claude soon came up with a top-quality court made from crushed brick and burned shale. A prototype court at the Commander's home in Thorpe Satchville proved to be an instant success and orders rolled in from some of the country's best players. These courts became known around the world as En-Tout-Cas – a phrase Claude appropriated after a guest at one of his tennis parties showed off her En-Tout-Cas – an all-weather parasol from France. The earliest synthetic tennis court surfaces had been slow to drain and dry. Claude's genius lay in the idea of making courts from ground-up stone and brick that were quick to drain.

By 1914, the new En-Tout-Cas red clay tennis courts were being installed in their hundreds for the wealthy and for leading clubs.

**Play Tennis 30 Minutes After Rain . . .**



**YOU** can, you know, if you have an En-Tout-Cas Court. For these finer courts are made of a specially treated clay . . . red-brown in color . . . laid on a foundation that permits amazingly rapid drying.

Ready for Spring games weeks before any other clay court. Available, too, much later in the fall. And at twilight—with the effective color contrast between court and lines.

Is it any wonder, then, for seventeen years, estate owners, prominent club and hotel managements, have recognised the supremacy of En-Tout-Cas courts?

*Illustrated Booklet H sent on request*

*Contracted in America by*  
**H. A. Robinson & Co., Inc.**  
 128 Water Street, New York, N. Y.

*Sole Makers and Promoters*  
**The En-Tout-Cas Co. (Synton) Ltd.**  
 Synton, Leicestershire, England

**En-Tout-Cas**  
MAKES BETTER TENNIS COURTS

Patented in Great Britain, U. S. A., Canada

En-Tout-Cas Court on the Estate of Kermit Roosevelt, Oyster Bay, L. I.

**Left: An En-Tout-Cas advert from the 1930s. The house shown belonged to Kermit Roosevelt, widow of President Theodore L. Roosevelt.**

After the war, the company thrived. By the mid-1920s the company had agents throughout Europe, Scandinavia and North America. En-Tout-Cas' London offices were located in Harrods and Fortnum and Mason. An En-Tout-Cas tennis court was as an essential adjunct to an English country house as a Rolls-Royce.

Claude Brown was appointed Tennis Court Maker to King George V. By the mid-1930s, there were ten En-Tout-Cas courts at Wimbledon and the company's courts were

being used for the Davis Cup and the French Open. North American clients included Edsel Ford, H F DuPont, S R Guggenheim, J Pierrepont Morgan and two members of the Vanderbilt family. During the Second World War, En-Tout-Cas contributed to the war effort by building and repairing airfields for the RAF.

As En-Tout-Cas enters its second century, the ownership of the business has in a sense come full circle through the involvement of two families of tennis court builders.

Claude's son Ronald succeeded him before handing on to his own son Colin. Today, En-Tout-Cas Tennis Courts is owned by Rory Shepherd. Rory learned his trade with En-Tout-Cas in the early seventies. Rory's father, Robert 'Bob' Shepherd, began work for En-Tout-Cas after the Second World War when he answered an advert for a tennis court constructor.



**Running on an En-Tout-Cas track, Roger Bannister became the first man to break the four-minute mile.**



## ...where quality comes first

After 1945, the combination of enormous amounts of rubble and brickwork and the large open spaces left by bomb damage in the centre of British towns and cities made for an ideal scenario for the speedy development of shale tennis courts and sports amenities. This provided sports and leisure facilities for the population and improved the country's battered urban landscape. En-Tout-Cas' standing was such that after the crippling winter of 1947, Claude Brown led the civil engineering industry's delegation to 10 Downing Street to organise the national response to the crisis.

In 1948, the Olympic Games were staged in London, at very short



*The all-weather aspect of courts has always been a key feature of their popularity and appeal.*



*En-Tout-Cas held various Royal Warrants across Europe.*

In 1977, Virginia Wade won Wimbledon and, that year, presented Bob with a Wimbledon centenary plate. Three years earlier, Rory had joined En-Tout-Cas. He had already spent his school summer holidays building tennis courts in France for the company. He went on to complete the company's apprenticeship scheme before taking a National Diploma in construction. He was also part of the team that built the running track and tennis courts for the African Games in Ghana in 1977.

Two years later, Rory left to start Anglia and Midland Sports and Bob retired. Anglia and Midland prospered and Rory bought En-Tout-Cas Tennis Courts in 2010, to continue a family relationship that has now spanned more than 70 years and to grow the old En-Tout-Cas ethos that "quality comes first" to this iconic British institution, in time for its second century.

Tony Shepherd has been brought up visiting tennis court sites and working on them in his school and University holidays. Having obtained his MEng in Civil Engineering at Manchester he joined Iaing O'Rourke and became a Fully Incorporated Member of the Institute of Civil Engineers before rejoining En-Tout-Cas in 2013 to head the third generation of Shepherds to run the firm.

notice. The main venue was Wembley Stadium, which had no athletics track. With just eight weeks to go to the opening ceremony, En-Tout-Cas was asked to provide a world-class running track. The company came up with a completely new cinder formulation and completed the track with just two days to spare.

Through the 1950s, En-Tout-Cas went from strength to strength. The company installed cinder tracks all over the world until the introduction of faster plastic tracks at the 1968 Olympics rendered the tracks obsolete.

In the sixties, En-Tout-Cas received the Queen's Award for the work it carried out on a massive programme of land reclamation around Stoke-on-Trent. En-Tout-Cas was sold to Crest Homes and Bob Shepherd was promoted from Inspector to General Manager of the whole UK.

En-Tout-Cas developed new products such as Tennisquick, a porous concrete tennis court, Pladek, an acrylic-painted porous bitumen macadam tennis court and the first Savanna, a sand filled polypropylene synthetic grass court surface.

*An En-Tout-Cas quotation for a new court from 1959, which resurfaced in 2010. The original project was carried out by Bob Shepherd – father of En-Tout-Cas' current owner Rory Shepherd.*





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