

EasiClay - General



EasiClay

EasiClay is one of a range of innovative tennis surfaces designed by Sports Surfaces Technologies to meet the needs of tennis players in the 21st century. This artificial clay surface replicates the play of good clay courts but avoids the disadvantages usually associated with them.

EasiClay is playable all year round and is not affected by rain or frost. It drains rapidly and is playable immediately after heavy rain with no significant change in play characteristics from dry conditions. Maintenance is minimal. No watering or rolling is required and little dragging is needed. The loose granules which give the authentic slide characteristics are much more stable than on a clay court.

The surface is derived from Porous Kushion Kourt, an established free draining acrylic surface. It consists of a heavy duty cushioned PVC mesh which is glued to a porous macadam or concrete base and is then finished with a special paint coating. The mesh contains millions of small holes which ensure good drainage and lock in most of the rubber granules which convert the court from a porous cushioned acrylic to a porous cushioned clay court. This conversion process can be easily reversed at little cost and so it is possible to choose either surface in the knowledge that one can be fully flexible if requirements change.

- EASY TO USE : Play in or after rain. No drying aids. Use 12 months per year. No downtime.
- EASY TO PLAY : Authentic, controlled slide. True clay court bounce, spin and pace.
- EASY ON THE BODY : Truly shock absorbing.
- EASY TO GROOM : No rolling or watering ever needed.
- EASY TO MAINTAIN : No re-leveling ever needed. No line tapes to nail down or replace. No irrigation system to maintain. No weekly or monthly maintenance. Minimal annual maintenance.
- EASY ON THE POCKET : Capital costs greatly reduced. Running costs minimal. No downtime.
- EASY TO BUILD : Faster installation time. Simple conversion of existing courts.
- EASY ON EQUIPMENT : No dust to clog shoes and clothes. Balls and strings last much longer.
- EASY TO CHANGE : Easily changed to Porous Kushion Kourt acrylic (or back again).
- EASY TO CHOOSE : Unique versatility means you don't have to make an irrevocable choice.
- EASY ON THE EYE : Paris Red or wide choice colours.



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europaweg 1a
2381 gr zoeterwoude-dorp
the netherlands

t : +31 71 58 02 491
f : +31 71 58 01 153
e : mail@sports-surfaces.net
i : www.sports-surfaces.net

EasiClay - Technical Data Sheet



EasiClay

1. Description

- EasiClay is a free draining, cushioned tennis surface with the play characteristics typical of clay courts. It is formed by gluing a fibre reinforced PVC mesh onto a porous base and colour spraying with special anti-slip coatings.

2. Base Requirements

- The base should be porous asphalt with a nominal aggregate size of 6 or 10 mm. It should be laid on a suitable foundation in accordance with the Code of Practice for Construction and Maintenance of Tennis Courts published by SAPCA (Sports & Play Constructors Association) or similar by local authorities.

- The maximum gradient should be 1:120 (depending on local authorities).

- The surface should be thoroughly clean and free from contamination, weeds or moss.

- Existing porous courts may be used as long as the base is sound, free draining and meets the above requirements.

3. Product Composition / Work Description

- The basis of the EasiClay system is the SST/Red mat, which consists of a heavy-duty dense PVC foam with an open grid and crossed woven thread.

- There are approximately 35.000 openings per square metre in the mat each of approximate dimensions 4 mm x 3 mm. There are a similar number of slightly larger PVC 'pillows', which form the cushioned playing surface.

- The SST/Red mat is delivered in 2.7 metres wide rolls and is fixed to the base with a special 2 pack polyurethane glue using spray techniques. Seams are sealed with a polymer jointing compound.

- After curing the surface is sprayed with a specifically designed water based two pack anti-slip sport coating. Play lines are sprayed using masking tape for clean definition.

- The surface is covered by loose rubber granules, size 0.5 - 1.5 to provide the clay type slide characteristics.

4. Durability / Wear Characteristics

Paint Coating

- The topcoating contains minute aggregate particles, which provide grip and affect the pace of the court. As with all coated surfaces, the paint coating will become smoother on high wear areas and merits renewing within 3 to 5 years to maintain optimum performance.

- The paint coating has also a dual function of protecting the PVC mat and should definitely be renewed by the next stage of wear (i.e. if it is worn through to the mat).

SST/Red Mat

- The fibre reinforcement in the mat gives it a very high tensile strength together with an ability to stretch (e.g. to absorb cracks in the base without rupturing). The PVC itself is extremely resilient to wear. In any given minute proportion of the individual 'pillows' (less than 1 in 10,000) may be expected to wear up to ½ of a millimetre but this will have no impact on the performance or structural integrity of the mat. Cuts and tears in the mat are quite rare and are usually caused by accidental damage or misuse (e.g. racquet abuse).

Polyurethane Glue / Asphalt Base

- The polyurethane glue is a tried and tested method of fixing PVC mats to asphalt bases and will last virtually indefinitely. The porous asphalt base has a normal lifespan of approximately 10 years but the effect of the polyurethane glue and the protection of the PVC mat should significantly extend this.

- Any minor repairs that are required can be attended to as part of our annual maintenance schedule.

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EasiClay - Aftercare Recommendations



EasiClay

We recommend that you follow these guidelines to maximise the effective life of your EasiClay:

1. Broom After Play

- Broom the court directly after play to keep the granules evenly distributed.
- Apply extra granules when needed.

2. Keep The Surface Clean

- Remove leaves and other debris from the surface – do not allow them to build up or rot.
- A garden vacuum cleaner may be useful in this – we will be pleased to advise.
- Wash the court regularly using hosed water and a mild cold water detergent.
- Apply Mosstox or equivalent moss killer twice annually or as often as necessary – usually before and after winter (test a small area first for staining).

3. Bird Droppings

- Immediately remove from surface by hosing / soft brooming.
- Remedy by cutting back overhanging branches.

4. Equipment

- Umpires chairs, seats etc. should not be placed directly onto the surface. If done so, the point loading may result in the item sinking into the surface. Prior to situating any such item on the surface, suitable protection should be applied first to spread the loading, e.g. timber etc.

5. Perimeter Fencing

- The fence should be checked periodically for line wire tension. The wire should be taut but still allow some vertical movement. Over-tightening of the line wire may result in damage/breaking of the wire. To tighten the line wire the external nut of the barrel winder located at each corner/gate post should be loosened the the wire tensioned by turning the barrel bolt until suitable tension is reached. The barrel may then be locked by tightening the external nut, maintaining the barrel tension at the same time. Tighten one line wire at a time and from both ends. Do not attempt to put full tension into the wire from one end.

6. Tennis Net Posts & Nets

- When the courts are not in use the tension within the tennis net should be released. This will help prevent premature stretching of the retaining cable. Before play the net should be tensioned to give a central height of 91.4 cm. Also ensure that the centre brass swivel is free to move within its ground socket. Failure to do so can result in the swivel breaking during play. The winding mechanism and sockets should be occasionally greased to ensure smooth and quiet operation.

7. General

- Cigarettes, chewing gum, petrol oil, solvents etc. should NEVER touch the court surface as they will cause damage.

8. Snow & Ice

- Remove soft (powdered) snow with a soft broom. NEVER use metal shovels, scrapers, mechanical snow removing equipment, salt, urea and other chemical de-icing agents.

9. Weeds

- Keep clear of vegetation an area of at least half a meter around the external perimeter of the court
- Care should be taken to restrict the growth of any vegetation with invasive root systems to an appropriate distance away from the court.
- Even after the application of weedkiller during construction there may be some subsequent growth. Treat weed growth immediately by applying a spot weedkiller (systemic) and allowing the weed to die.

10. Shoes

- Training shoes and other shoes with bars, studs or sharp edges on the soles should not be used.
- Avoid shoes with black soles.

11. Annual Maintenance

- Please refer to our Annual Maintenance Contract / Schedule of Works.

12. Damage

- Please report any significant damage to us so that we can advise appropriate action.

Sports Surfaces Technologies will be pleased to assist you with any further advice that you feel you may need.

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EasiClay - Equipment



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The following equipment is specially selected for EasiClay:

- 1. EasiClay broom**
1.50 m wide, red artificial bristles, with aluminium D-handle.
- 2. Matchliner line sweeper**
Rotating line sweeper with wooden handle.
- 3. Rubber rake.**
75 cm wide with wooden handle.
- 4. EasiClay infill**
Infill material per bag of 25 kg.
- 5. EasiClay shoe cleaner**
Heavy duty shoe mat of nylon bristles, 90 x 50 cm, thickness 22 mm, with EasiClay logo.
- 6. EasiClay repair set**
Repair set with tube of mastic, profile stamp and colour coating.
- 7. EasiClay court sign**
Sign with care precautions and maintenance recommendations.



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EasiClay - References in the Netherlands



EasiClay

2006 TV De Maten, Apeldoorn	4 banen
2005 Sportcentrum Oudenrijn, Vleuten-De Meern	6 banen
TC Maarssen, Maarssen	1 baan
Cream Crackers, Groningen	4 banen
Sportcentrum Arnolduspark, Hoofddorp	3 banen
TC Overwaard, Gorinchem	4 banen
LTV Vianen, Vianen	4 banen
De Sluipers, Reeuwijk	2 indoor banen
TV Beekbergen, Beekbergen	4 banen
2004 TV Brouwershaven, Brouwershaven	2 banen
TV Trias, Amsterdam	3 banen
2002 Privé baan, Poeldijk	1 baan

Totaal 38 banen

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