

## Edel Grass SF system that makes room for a sustainable future...

To satisfy growing demand for affordable and environmentally-sound artificial grass systems for hockey, Edel Grass has developed a 'green' structure for both renovations and conversions and for newly built artificial grass hockey fields.

This 'engineered' system employs a Sekisui Sports Layer of closed cell foam which takes over the role of rubber granulate.

But it does more than that: the Sports Layer ensures that the technical characteristics of the artificial grass hockey system, such as shock absorption and energy restitution, remain at the desired level for longer. This means more comfortable play coupled with a lower risk of injury.

The Sports Layer also has three times the life expectancy of an artificial grass hockey field. In the long term, investment in depth therefore ensures a 'return on investment'.

## Edel Grass, setting the tone in artificial grass systems

Edel Grass has been working with artificial grass since it first began almost 30 years ago. We started with artificial grass hockey fields and tennis courts and have since built up a leading position in these markets.

Since 1993 we have also been producing artificial grass systems for football. Having produced more than 30 million m<sup>2</sup>, we are quietly confident when we say we really know about artificial grass systems. Together with a number of specialised partners, we have been making substantial investments to perfect artificial grass systems for tennis, hockey and football, with proven results. There are good reasons why Edel Grass is in use from the lowest to the highest levels of play.

We can construct the ideal hockey field for each user, taking care of the entire process from design and installation through to maintenance. From good, affordable and sustainable amateur fields to specific tailor-made fields for the world's very best: ask Edel Grass!

### Edel Grass worldwide

In addition to its head office in Genemuiden, Edel Grass also has three sales and service outlets abroad: Edel Grass UK, Ireland and Far East, Edel Grass Africa and Edel Grass USA.

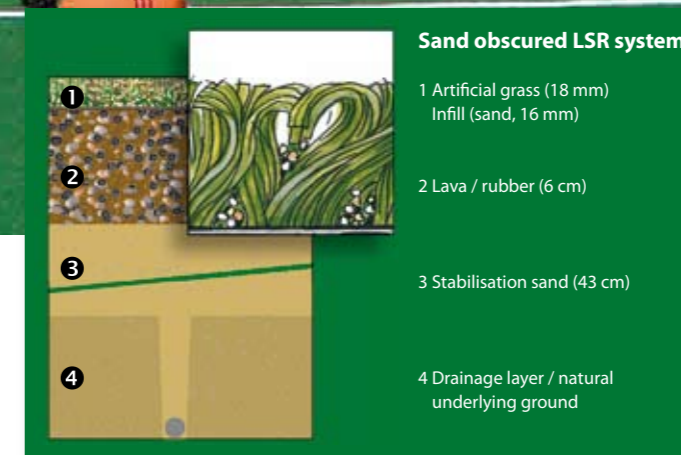
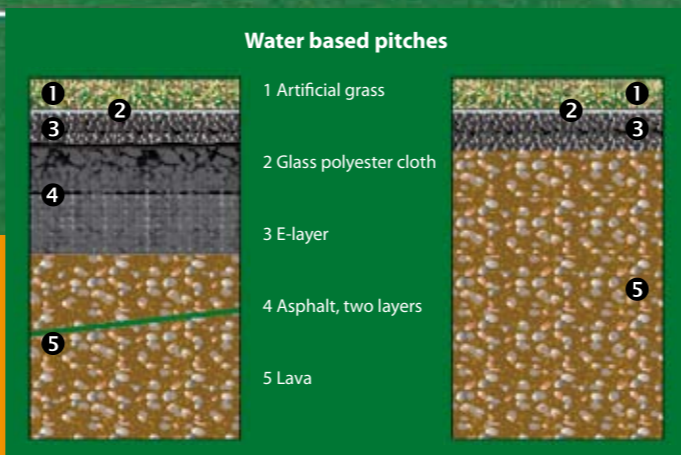
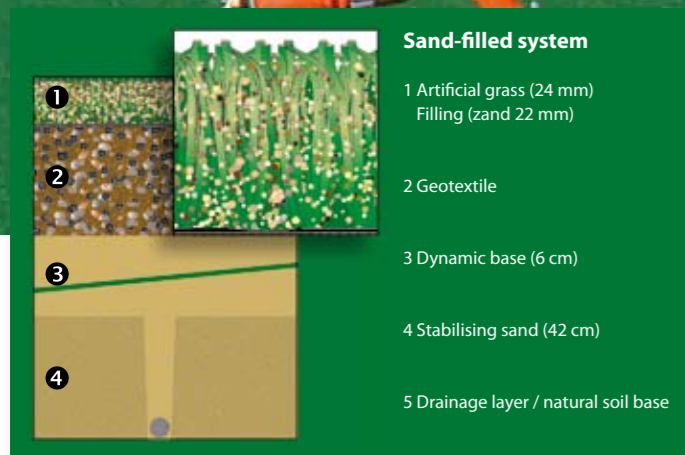


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Leading in Artificial Grass Systems





## Edel Elite LSR: the Edel Grass sand filled system

Sand-filled artificial grass fields are the traditional artificial grass system for hockey fields, and are still in general use. In the Netherlands, a soft layer specifically designed for sports fields, consisting of lava pebbles and rubber granules, is laid on the foundation layer. In other countries, such as the UK, a 15 mm in situ shock pad of rubber granules and binder or a closed cell foam pad is laid on top of a porous macadam surface or a dynamic base. The performance of the field, notably its shock absorption, is largely determined by these layers.

Edel Elite LSR is laid on top of the sport-specific foundation layers. Edel Elite LSR is a top-quality artificial grass, which is

filled and stabilised with quartz sand. Edel Elite LSR employs LSR yarn with a pile of 24 mm. The Low Sliding Resistance yarn not only gives the field good playing characteristics, it is also comfortable for the players and decreases the risk of injuries.

The material is extremely wear-resistant, requires little maintenance and is highly resistant to UV light. Edel Elite LSR offers high quality at an attractive price. Edel Grass has been laying this material for many years throughout Europe, with great success.

For the detailed technical specifications of Edel Elite LSR, see [www.edelgrass.com](http://www.edelgrass.com)

## Edel 'Low No H<sub>2</sub>O'® Classic water based pitches: fields for the absolute top



For hockey played at the very highest level, Edel 'Low No H<sub>2</sub>O'® Classic water based pitches are the best place to start. Whether it is a question of 'lifting' the ball or the 'tip-in' during a slide, an Edel Grass Classic water field offers players maximum control of the ball. These Classic pitches have a unique integrated backing system, are built on a top quality intermediary layer, that together, ensure long term stability with perfect damping and shock absorption. The artificial grass layer is made from non-directional micro-curlled NDR yarn woven at a maximum density (75,000 p/m<sup>2</sup>). The 'micro-curl' in the yarn not only ensures predictable roll for the ball, but also makes the playing qualities of the water field nearly the same as those of a nylon water field! Whilst its performance meets the highest standards, the water management system means lower installation costs

and very significant savings in the costs of water used per match representing huge savings over the lifespan of the carpet. This feature is particularly important also in areas where water conservation is critical. The Edel Classic water field comes with an advanced water management system. Special perforations ensure that the water is retained for as long as possible after spraying. In short: Edel 'Low No H<sub>2</sub>O'® Classic water based pitches are a guarantee of hockey at the highest level, with fast and spectacular action, year in, year out, at a competitive cost!! The artificial grass layer can be selected from various products with FIH-Global certificates, such as:

- Edel Triple-T System – FIH Global certification
- Edel Classic Tufted LSR DB/el – FIH Global certification
- Edel Classic Tufted PA66 DD/el – FIH certification

## Edel 'Low No H<sub>2</sub>O'® sand obscured pitches: for demanding users



The playing techniques currently in use in hockey owe their origin to classic waterbased fields. On traditional sand-filled artificial grass hockey fields it would be almost impossible to use such techniques without sustaining injuries. Edel Grass has developed its 'Low No H<sub>2</sub>O'® system with this in mind. This semi-water field is built on a soft structure (see the cross-section) and is made using an LSR/NDR yarn (Low Sliding Resistance/ Micro curled Non-Directional yarn) at a high density (46,000 p/m<sup>2</sup>). The use of LSR/NDR yarn ensures that spraying is no longer a 'must'. The club can choose whether or not to install and use a water spraying system. The use of LSR/NDR micro-curlled yarn means that the stabilisation sand is entirely covered, and you play just as

you would on a purely plastic water field: on the yarns. Moreover, the LSR/NDR fibre ensures that ball roll will be predictable and makes it possible to employ the playing techniques used on fully plastic water fields. The semi-water fields, just like our 'Low No H<sub>2</sub>O'® water field, employ a water management concept. Special perforations and stabilizing sand ensure that the water is retained for longer after sprinkling or natural rainfall, for an optimum and long-lasting playing experience. For detailed specifications for the 'Low No H<sub>2</sub>O'® semi-water field, see [www.edelgrass.com](http://www.edelgrass.com).