



A Guide to The Benefits of Luxigraze and Help Choosing **Artificial Grass**



Benefits of Luxigraze

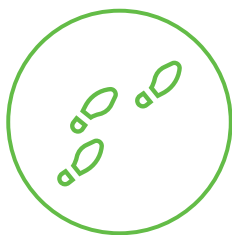
With the obvious advantages of being extremely low maintenance, no need for mowing & always maintaining that just mowed look, artificial grass allows designers and homeowners to create an ideal solution for those who want the perfect lawn, but without the expense & work involved in maintaining a natural grass lawn. Artificial grass is ultra-realistic, providing a natural look and feel, whilst offering many other associated benefits:

- The versatility of artificial grass allows it to be used in a wide variety of applications, to improve the look of any outdoor space, including shady areas where real turf struggles to thrive or grow.
- Artificial grass offers a child and pet friendly lawn, which is soft and lush underfoot. Unlike a natural lawn, artificial grass will look great all year round, without muddy patches and a trail of muddy footprints! Artificial grass is extremely robust and will cope with even the most playful and demanding of children and pets.
- Providing a durable and low maintenance solution, saving on time and up-keep costs.
- Artificial grass is extremely hard-wearing, long lasting and should withstand regular use, even in areas of high traffic. The majority of artificial grasses provide a 15-20 year lifespan, in addition to being UV stabilised and fade resistant, meaning that it won't fade or discolour when exposed to direct sunlight, and will stay green all year round.
- Artificial grass is highly permeable. In most cases, it actually drains more efficiently than natural grass, and it dries out quicker, too.

Quality manufacturing, continuing technological developments and the environmental benefits, ensure that artificial grass is a top choice when planning a garden project. This valuable, cost-effective alternative to natural turf, creates a safe outdoor environment, for all the family, all year round.



No Watering



No Mud



No Mowing



Child Safe



Pet Safe

Choosing Artificial Grass

With such a wide range of artificial grasses available, making the correct choice is extremely important. Please see below some helpful information, to provide an insight into exactly what goes into manufacturing artificial grass. This should give the knowledge required to make an informed decision into purchasing an artificial grass which will look fabulous for many years.

Pile Height

Pile height refers to the length of the grass blades and artificial grass comes in a variety of pile heights. Choosing the pile height is usually a matter of taste. For those that like the look of freshly cut grass, anything between 20-30mm is a good choice. For a natural looking lawn, we recommend choosing a pile height between 30-40mm, to provide a lush and luscious look. Any pile height higher than this there is a risk of the grass lying flat as the longer grass blades will be heavier and it will be more than likely that gravity will pull the fibres down.

Pile Density

The greater the pile density, the more resilient it will be. This is because the fibres will be able to support each other better & recover more easily from the pressure of foot traffic and heavy objects. Pile density also affects how your lawn will look too. The denser the pile, the lusher the grass will look, whereas a low pile density product can look sparse and thin.



27 Super Luxury



Competitor 30mm

What is Gauge? - The distance between the 2 adjacent lines, stitched to the backing, measured in fractions of an inch. If the distance between these 2 lines was large, the product would look extremely poor quality.

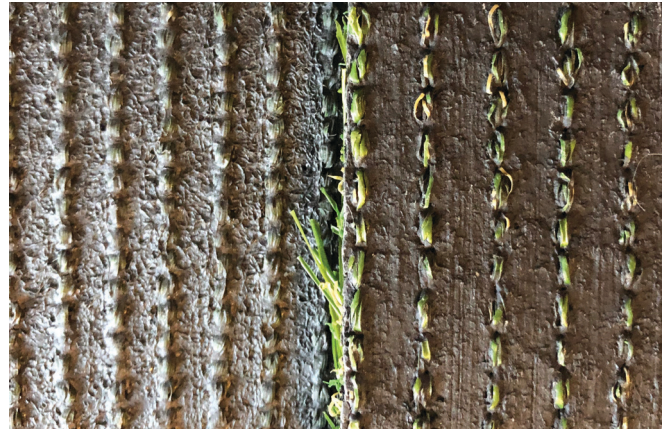
What is Stitch Rate? - Measures the number of stitches per square metre of grass.

27 Super Luxury has more stitches down the length & a narrower gauge, making it a denser product



27 Super Luxury

Competitor 30mm



27 Super Luxury

Competitor 30mm

The combination of Gauge & Stitch Rate is what gives us the density of the grass and in simple terms the higher the density of the grass the better the quality. Premium quality artificial grass tends to have a density of at least 17000 stitches per metre. Cheap artificial grass tends to have lower densities of around 6000 stitches per metre.



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Competitor 30mm

Fibres

Fibre Thickness (also known as Decitex, abbreviated as Dtex) refers to the thickness of each individual strand of artificial grass. This is a unit of measurement that indicates the linear mass of yarn in grams, per 10,000 metres. Fibre thickness is an important indicator of fibre strength. The thicker the fibre, the greater the resistance and durability. Therefore, a sports pitch, for example, would require a higher Dtex rating, as it will be subject to more regular, intensive use.

Inferior artificial grasses tend to have thin fibres. The thinner the fibre, the less raw material is needed to manufacture the artificial grass, therefore reducing production costs. However, thin fibres have a lower resilience and quickly break down, resulting in a flat unrealistic lawn.

Composition of yarn

There are three different types of plastic used to make artificial grass – polyethylene, polypropylene and nylon (polyamide), with each having various strengths and weaknesses.

- **Polyethylene** –long-lasting and gentle on the skin.
- **Polypropylene** –long-lasting and resilient but harsher.
- **Nylon** – very robust and often used in products such as golf driving mats, due to its high burn tolerance. A more abrasive fibre, but also more expensive.

Most artificial grasses, for domestic and commercial applications, contain a mixture of polyethylene mono-filament and polypropylene curly yarn. This combination provides an artificial grass which is durable, realistic, and dense.

Weight

A good quality artificial grass will have a weight of at least 2 kg/sq.metre, as they are likely to be more wear resistant and have a longer lifespan.

Backing Strength

The backing material consist of primary and secondary layers. The primary layer is a fabric, typically made from polypropylene, into which the artificial grass fibres are woven. The secondary backing usually consists of latex and acts as the glue that holds the artificial grass together.

It is vital that your chosen artificial grass is manufactured with a good quality backing, as it holds together the entire lawn. One way in which some competitors cut costs is by reducing the amount of latex they use in their backing. Whilst this can provide a cheaper product, it increases the likelihood of separation of the yarn from the backing material, causing the fibres to become thin and matted, resulting in a failed lawn.

Colour

Colour choice is entirely dependent upon personal preference and there are a vast range of colour combinations to select from. It is recommended to select a product with the multiple shades of green, and a brown “thatch” or “rootzone”, to give it extra support and replicate the look of artificial grass. Products which are too perfectly green will not look as realistic.

UV Resistant

Ensure the products are fully UV Stable, to prevent colour fade, and come with a UV Guarantee.

Luxigraze is supplied with a 10 year UV Guarantee.

Fire Resistant

When selecting an artificial grass product, it is important to check it is fire-resistant, to be reassured that flames will not spread via your artificial lawn.

Luxigraze products are rated as either Cfl-s1 or Efl-s1, for peace of mind.

In conclusion, all of the above points should now explain why factors, other than just pile height, must be considered, when selecting a quality artificial grass, which should last long into the future.

For product specifications – please refer to www.luxigraze.co.uk

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