



WHY SELECT MASTERGREEN™
AS YOUR ARTIFICIAL OUTDOOR LAWN BOWLS SURFACE
The technical factory point of view

Although artificial bowling greens require a high initial expenditure, a good artificial green offers many advantages in comparison to a traditional grass green. These include considerable long term savings against the cost of maintaining grass greens to a good standard, immediate playability on completion and, if so desired, all year playability in some climates. A good artificial green will provide constant playing characteristics and day to day maintenance should be minimal, usually limited to keeping the surface clean.

The prime requirement is that an artificial surface should provide acceptable playing characteristics of speed and draw which are not affected by particular aspects of the surface such as directional pile. It is essential that such characteristics be maintained throughout the guaranteed life or longer.

Artificial outdoor bowls surfaces were introduced in the U.K. in 1976. Experience has shown that, whilst various surfaces were classed as acceptable when first installed, subsequent changes in performance, sometimes less than 2 years after installation, caused considerable problems. In many instances in the U.K. and Overseas, green speed and draw arc became excessive to the point of unacceptability. In some cases additional underlays were laid beneath carpet surfaces whilst some sand-filled synthetic grass surfaces caused scratching of bowls in addition to unnatural characteristics due to directional pile. Some carpet suppliers have looked to use various types of underlay to overcome problems and some have found it necessary to revise their underlay specifications on a number of occasions. Indeed it is doubtful whether such companies have used their current underlays successfully for more than 3-4 years.



MASTERGREEN™ was specifically developed in 1988 by Verdemat, a Dales company, for use on outdoor bowling greens. Unlike most other carpet surfaces available it is not a UV stabilized version of an indoor bowls carpet. The first MASTERGREEN™ surfaces were installed in early 1989 and, after more than ten years, continue to provide excellent playing characteristics and appearance. Minimal wear to date is proof that the guaranteed life of 10 years will be easily achieved. Experience of the durability of earlier, less robust, similar surfaces, suggests that the ultimate life of MASTERGREEN™™ will be at least 15-20 years, if correctly maintained. The MASTERGREEN™ artificial surface is today's most popular needlepunch carpet for Lawn Bowling. In fact, at the 2010 Commonwealth Games in Delhi, Lawn Bowling will be played on artificial surfaces for the first time and they will play on 4 Dales MASTERGREEN™ surfaces.

Day to day maintenance requirements are minimal and ***because MASTERGREEN™ is considerably thicker and less elastic than competitive woven carpets, regular carpet restretching is not a requirement.***

MAINTENANCE OF MASTERGREEN™ OUTDOORS BOWLS CARPET

It is stressed that, although minimal, some ongoing maintenance is an essential requirement to meet the terms of the guarantee given on MASTERGREEN™ bowls carpets and to ensure the carpets are kept clean and in good condition. Failure to undertake correct maintenance can cause early wear, increased green speed and draw, plus possible drainage problems if dirt from atmospheric pollution is allowed to become embedded and then harden.

Experience of dealing with artificial bowling greens for over 20 years has shown that clean carpets provide the best bowling characteristics. A well maintained MASTERGREEN™ carpet will continue to provide good playing characteristics and an excellent appearance for many years.

PERIODIC MAINTENANCE

U.K weather conditions tend to promote growth of moss and algae on artificial bowls surfaces particularly if left unchecked. This can eventually affect drainage of water through the carpet and treatment is therefore essential. Non-toxic moss and algae treatments are now becoming more available.

DAY TO DAY MAINTENANCE

It is recommended that an industrial wet/dry suction cleaner be used once per week to remove atmospheric dirt which does settle on the surface. Used in the dry mode this will normally be sufficient but, it has been found that the best results are obtained if cleaning is carried out when the carpet is wet or at least damp. In prolonged dry weather, occasional use of a water hose prior to cleaning is beneficial. Debris such as leaves, twigs, etc, should be swept away using a brush with bristles of medium hardness. Alternatively, in dry weather, a recommended suction cleaner with rotating brushed and a separate debris collection system may be used.

OTHER MAINTENANCE

When a MASTERGREEN™ carpet is installed in warm, sunny weather, it is not necessary to carry out further tensioning. Should installation take place in cool or inclement weather, it may be necessary to re-tension the carpet where conditions are suitable. However, it has not been found necessary to carry out regular re-tensioning of MASTERGREEN™ surfaces, unlike the requirements for less stable competitive woven surfaces.

The only subsequent maintenance will be periodic re-positioning of the end panels of the MASTERGREEN™ surface to ensure that all panels are eventually used in the area where wear is heaviest. Based on experience to date, it is envisaged that re-positioning will not normally be required until a surface is at least 4-5 years old, possibly much older. To ensure maximum surface life, this work is undertaken by our qualified specialist fitters.

ALL-WEATHER PLAY

The MASTERGREEN™ bowls surface drains very quickly after rain, with minimal disruption to play. There is no technical reason to stop playing during wet weather, although players may prefer a break!

MASTERGREEN™ PLAYING SURFACE TECHNICAL INFORMATION

MASTERGREEN™ is an all-weather surface made from coarse polypropylene fibres needle punched to an integral supporting scrim. It was specifically developed for outdoor bowling greens and is laid over a separate special material. MASTERGREEN™ is totally omni-directional having no conventional pile to collapse, an essential feature avoiding any directional element which will affect bowling characteristics.

Colour	Olive green	Roll Width	4.10m
Nominal Weight	1442gms/sq.m.	Roll Length	To order
Nominal Gauge	8.0mm		

RESISTANCE TO WEAR:

One of the outstanding features of this fibre is its resistance to wear. The most severe usage will not normally affect the fibre and careful selection of fibre gauges in the production of MASTERGREEN™ ensures extremely hardwearing properties. Experience to date suggests overall life well in excess of the guaranteed 7 years given on installation.

RESISTANCE TO STAINING:

The low chemical affinity of polypropylene prevents staining of MASTERGREEN™. Staining substances do not cling to the fibre and can normally be easily removed.

COLOUR STABILITY:

The fibre is dope-eyed and its colour has high resistance to light, washing agents, solvents, etc.

DIMENSIONAL STABILITY:

The material has good dimensional stability and, when installed in warm weather conditions, it has not been found necessary to carry out regular re-tensioning, unlike some competitive products.

WATER PERMEABILITY:

Since the MASTERGREEN™ manufacturing process is similar to that used to produce filtration products, MASTERGREEN™ is extremely permeable.

MASTERGREEN™ - A British made surface using British made materials.