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HOW TO INSTALL ARTIFICIAL GRASS

HOW MUCH GRASS DO I NEED?

All Verde Artificial Grasses are manufactured in 2 metre (6' 6") and 4 metre (13') widths and are supplied in lengths to suit. Measure the area which the grass is to be installed to work out how much grass is needed. Draw a diagram and show/email/fax it to Verde who will advise you on your requirements and quote accordingly.

Note: The pile of the grass is always directional to some degree. To ensure you have no colour shade variations it is imperative that all pieces be installed in the same direction.

Seaming Tape and All-Weather Adhesive will be required if you are installing more than one piece of artificial grass. This should be purchased with your order so that it can be delivered at the same time.

INSTALLING ON HARD (BOUND) SURFACES - CONCRETE, TARMAC, MACADAM, ASPHALT, TIMBER

- Ensure the surface to be covered is clean and smooth (debris and dust must be removed)
- If a new sub-surface is being constructed a slight fall should be incorporated to assist drainage (1:200 is ideal)
- If there is no fall, it is recommended that a few drainage holes are made in the sealed concrete
- Porous (open textured) macadam is particularly suitable as a sub-base.
- Paving slabs are not satisfactory, since after a period of time the pattern of the slabs may show on the surface of the grass. The slabs should be removed and the sub-base covered with a layer of fine aggregate (refer to 'Unbound Surface' section)
- Verde Artificial Grasses may be spot stuck with Verde Grass-Stick or loose laid and fixed around the perimeter
- If fixed to timber the grass may be held in place with staples or small tacking nails

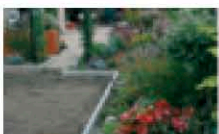


INSTALLING ON UNBOUND SURFACES

Existing bases may be used for budget installations. Verde strongly advise against this to prevent surface unevenness from root decay and contamination. For long term installations Verde recommend the following . . .

Base Construction . . .

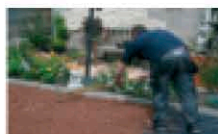
- 1) Remove turf and soil to a depth of approximately 100mm - by hand or using a turf cutter and weed kill the area. Compact and level the ground using a wacker plate or roller
- 2) An optional low-cost geotextile may be laid over the compacted earth, fixing down with galvanised nails, to minimise weed growth and prevent the formulation of worm holes
- 3) Lay the sub-base. Typically a 25mm-dust aggregate is used to a depth of 25mm to 75mm
- 4) Compact and level using a wacker plate or roller. If you choose timber fixings for the edge of the grass, they should be installed at this point using tanalised timber and fixing stakes.
- 5) Add a thin layer of fine aggregate over the stone and compact again



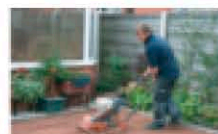
1. Remove soil and compact



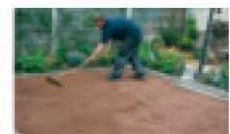
2. Lay geotextile membrane



3. Lay the sub-base



4. Compact



5. Add thin layer of fine aggregate

Fixing the Artificial Grass in place . . .

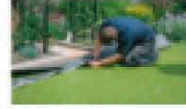
- Roll the artificial grass carpet out over your pre-prepared base, ensuring any multiple rolls are all laying in the same direction
- Trim to size and remove any excess selvage with a sharp stanley knife, ideally cutting from the back side
- Secure any grass joins (see 'Joins in Larger Installations')
- Fix the edges of the artificial grass over the timber surround or hold the grass in place with small headed galvanised nails
- Closely tufted products, which do not require sand, should be fitted under tension
- Sand filled grasses should now be dressed with kiln dried silica sand, which is available from most builders merchants. The sand should firstly be evenly distributed over the area and then brushed into the pile using a stiff brush. The weight of the sand holds the grass in position



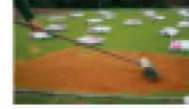
Roll artificial grass out



Trim to size



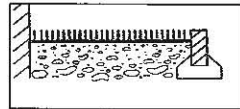
Remove any excess selvage



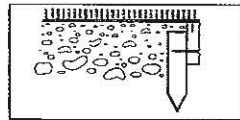
Brush in sand evenly

Fixing the Edges . . .

1. By butting against an existing wall or upstanding kerb



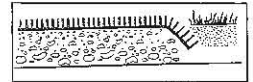
2. By fixing to an edge board - tanalised timber 100mm x 25mm located by wooden pegs. 50mm x 50mm x 300mm is ideal



3. By placing the edge of the grass under paving stones

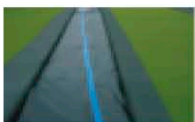


4. By burying the grass edge under adjacent natural turf

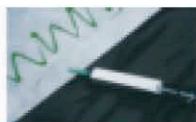


MAKING JOINS IN LARGER INSTALLATIONS

- Joins are made by sticking the underside of the artificial grass to a special seaming tape by means of polyurethane adhesive
- The edges to be joined should be trimmed carefully, removing any excess "selvage" material
- Adjacent panels should be laid together ensuring the straight cut edges are butted close together
- When installing products such as Verdeluxe or Super Verdeluxe, make sure that you always have alternative rows of straight and curly yarn
- As all grasses have a directional pile, check and ensure all panels are running in the same direction
- The edges are then folded back and the seaming tape laid, shiny side down, centrally along the joint
- Beads of adhesive are applied from a cartridge gun to the top surface of the seaming tape
- Using a trowel spread the adhesive over the centre of the seaming tape
- The artificial grass is now folded down and pressed into the adhesive
- The strength of the join will be improved if the seam can be weighted during curing



Fold back edges



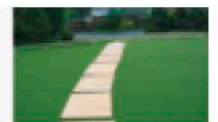
Use cartridge gun



Apply adhesive to seaming tape



Trowel adhesive



Weight the seam

Seaming tape and adhesive cartridges should be ordered at the same time as the grass, allowing 1 cartridge for 3 metres of seaming

MAINTAINING THE ARTIFICIAL GRASS

Verde Artificial Grasses are low maintenance surfaces. The rules are simple - remove debris, particularly leaves or pet droppings, since otherwise these will compost into the surface and allow moss to grow. Debris may be removed by sweeping and in dry conditions may be vacuumed with a domestic appliance or leaf blower. Do not vacuum sand-filled grasses - the machine will fill with sand!

If moss does form in the pile, it should be treated with a proprietary moss killer and swept thoroughly to remove dead material. A bass broom or similar stiff brush is best for maintaining a "fresh" appearance. Odd weeds, which may seed themselves in the surface, may be removed by hand or spot-sprayed with general weedkiller.

ORDERING AND DELIVERY

Orders should be placed in writing to ensure that the correct quality and size are supplied. Post, fax, and emails are acceptable. Once the materials have been cut they become your responsibility.

Your order will be despatched directly from Verde Sports to your nominated delivery address. This is "usually" within 3-5 working days on receipt of an order, although exceptions do apply. It is essential that somebody is available to receive the goods, check the packaging for damage and sign acceptance.

Any special delivery arrangements may be subject to an additional surcharge.