

Manual

for the installation of Royal Grass® artificial grass



enjoy perfection

What will you need?

- Pavers sand
- Perimeter edging board
- Compactor
- Geotextile (stabilizing fabric)
- Self-adhesive seam tape (if the width of the lawn exceeds 400 cm)
- Sharp utility knife
- Measuring tape
- Ground anchors
- A stiff broom or power brush
- Optional: infill sand plus a spreader

tip!

Install the artificial grass when it is dry and with a minimum temperature of 5°C, preferably between 10°C and 25°C. The warmer it is, the more flexible the backing will be and the quicker the seams will dry.



step 1

Make an installation plan

Measure the number of square meters to determine how much artificial grass you will need. Our advice: make an installation plan as well. Please take the following into consideration:

- Always lay different strips of artificial grass in the same direction. Artificial grass is best viewed against the grain, for instance from your terrace.
- Do you have a walkway? Use (stepping) stones to form that path. You will prevent the artificial grass from flattening.
- When measuring take into account about 10 cm of loss from cutting at every side.

There are two ways to determine the number of square meters needed for the garden shown:

1. As seen from the short side

You will have 2 strips of artificial grass. So taking into account the 10 cm of loss from cutting at each side, you will need:

- 1 roll of 4 x 10.0 meters
- 1 roll of 2 x 10.0 meters
- total: 60 m² of artificial grass
- 1 x 10.0 meters of seam tape

2. As seen from the long side

You will have 3 strips of artificial grass. So taking into account the 10 cm of loss from cutting at each side, you will need:

- 1 roll of 4 x 10.8 meters
- 1 roll of 2 x 5.4 meters
- total: 54 m² of artificial grass
- 3 x 5.2 meters of seam tape



tip!

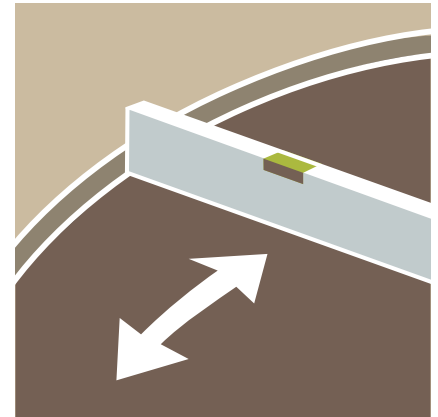
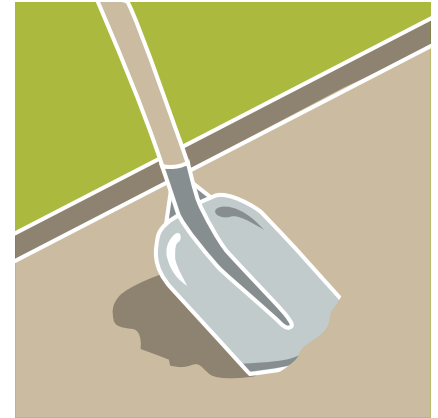
Make sure to use rolls of artificial grass from the same batch. This will prevent colour difference. You can find the batch number on the packaging.

step 2

Prepare the subsurface

The subsurface should be stable, even, permeable, and should have a load bearing capacity. Follow the steps below:

- Remove the existing grass or plants and dig until about 12 cm deep.
- We do not recommend installing artificial grass on black soil so spread a layer of about 10 cm of yellow sand or crusher dust. For more stability, we advise you to mix the sand with cement at a ratio of 1:5 (cement:sand). Level the subsurface with pavers sand. The height depends on the length of the artificial grass. On average, it should be 2 cm under the border.
- If there is no border yet you can place one all around the area. You can use board or hardwood tiles. This border will make sure the grass stays in place and will prevent you from seeing the backing, for instance when viewed from the terrace.
- Use a compactor to compact the sand; also for the edges. Tip: moisten the sand first so it can become more compact.
- Flatten the surface with a wooden bar or ruler.



Is it also possible to install Royal Grass® on hardened subsurfaces, such as concrete, bitumen or asphalt?

Yes, it is possible, but only if that subsurface is even and permeable.

tip!

The last item of step 2 may be the most important. The subsurface needs to be as smooth as can be. Every unevenness can be seen or felt in the artificial lawn and is difficult to fix.

step 3

Install geotextile

It is not required to install geotextile (stabilizing fabric), but it does offer two great advantages:

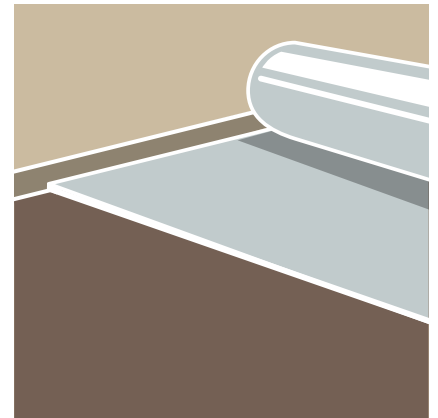
- The sand bed will be completely sealed so weeds cannot grow through the drain holes of the artificial grass.
- Geotextile offers extra support and protects the subsurface during the installation of artificial grass.

tip!

If you want to use an additional underlay, use geotextile instead of root canvas. Root canvas may stop weeds, but will not provide the extra stability. Also during the installation of your artificial grass, root canvas may creep or ripple.

Installing the geotextile:

1. Unroll the geotextile on the levelled subsurface.
2. Make sure it is connected with all edges. The edges are usually the areas where weeds grow.
3. Make sure the different strips of geotextile overlap each other by at least 5 cm.





extra tips

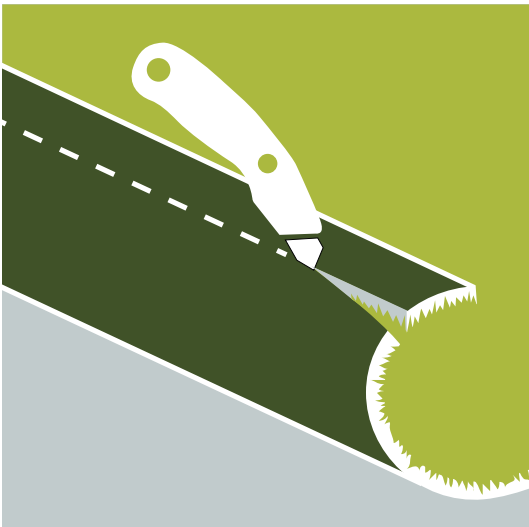
- Never fold strips of artificial grass, not even for a minute. This will cause creases which will stay visible.
- Always check the dimensions of the artificial grass one last time before cutting. In case you have made a measurement error and the roll has not been cut yet, it can still be returned.
- Also check the sand bed and make sure the edges of the sand bed are not ascendant.

step 4^a

Installing artificial grass without seams

If only one stroke of artificial grass needs to be installed, follow this procedure:

1. Unroll the artificial grass. Artificial grass is best viewed against the grain. Consider this when choosing from which side to unroll the artificial grass.
2. Make sure you keep 10 cm space at all edges for cutting.
3. If there is much grass left at the side edges, cut it until you have an overlap of approximately 10 cm. If the overlap is too big, it will be difficult to pull the artificial grass tight.



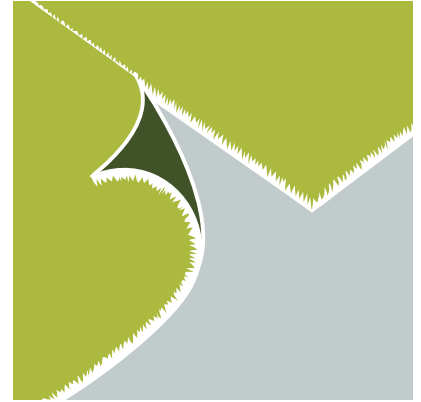
How to cut artificial grass to size?

- Use a razor-sharp utility knife.
- It is recommended to start cutting from the back of the artificial grass. There are two advantages to this:
 - You will not cut through the grass fibres
 - You can use the stitches as guidelines to get straight cuts.
- Hold the utility knife at an angle. This way, the fibres of artificial grass will not be damaged.

Installing artificial grass with seams

If there are more adjacent strokes of artificial grass to be installed, follow this procedure:

1. Unroll the artificial grass. Artificial grass is best viewed against the grain. Consider this for every roll when choosing from which side to unroll the artificial grass. Start with the largest surface.
2. The black carpet with the artificial grass fibres will protrude about 5 cm on every side. These protrusions can be removed. Make sure to cut as close as possible to the second row of artificial grass fibres. Rolls are always more than 4 meters in width, so you will still have enough left.
3. Fold the edges of two adjacent rolls and cut both rolls along the second row of fibres. Make sure the space between the tufting lines on the seam is the same as the space between the other tufting lines to get a tight seam. This can be realized by cutting both rolls against the tufting line, whilst retaining a piece of the black backing on one of both edges. Please note: cut from the bottom!
4. Make sure the grass is even and there is no tension on the grass. The strips should not overlap.
5. To be certain, check the seam at different spots.



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step 5

Connect the strokes of artificial grass

This only applies when there are several adjacent strokes of artificial grass to be installed. Please note: the seam tape and the carpet backing both need to be dry. Do not glue during rainfall.

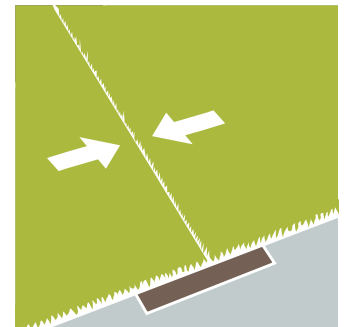
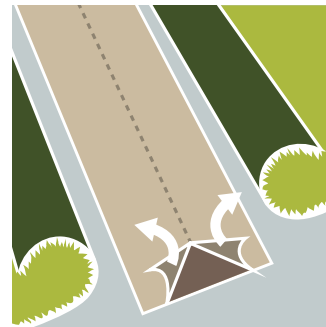
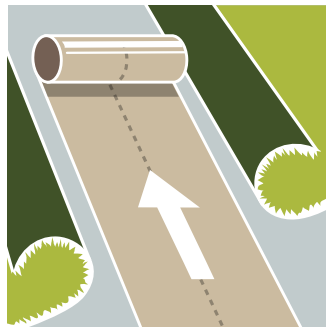
Glue the center seam before cutting the side edges.

Follow the steps below:

1. Fold the edges of both rolls approximately 30 cm back.
2. Place the Royal Grass® Seam Tape with glue or the QuickSeam Tape (QST) in the center of the two folded rolls of artificial grass. In case of the QST, pull the foil from the tape so the adhesive surface is revealed.
3. Fold the rolls back in parts of approx. 20 cm. So: firstly, remove 20 cm of the coating of the seam tape, then fold 20 cm of artificial grass and move on to the next 20 cm. Make sure none of the grass fibres of the side of the grass stick to the tape. This will remain visible.
4. When you have glued the 2 strips along their full length, firmly press the seams again. For instance, you can put a plank on the seam and then walk over it. Do not open the seam!
5. If necessary, you can cut parts overlapping the edging board.

Please note:

- The seams need time to dry. So do not step on the artificial grass for the first 24 hours.
- Do not glue any artificial grass to the edging border. The grass needs some space at the sides to shrink or expand.



Additional matters

Royal Grass® does not need to be fixed to the subsurface. We do advise you to spread a thin layer of silica sand on the grass. There are several advantages to this:

- It provides extra weight so the artificial grass will not move.
- It will prolong the lifespan of the artificial grass.
- It protects the subsurface from dents. Dents can be formed when the grass is used intensively or when you have put chairs on the grass.
- It provides extra stability and ensures the grass will not ripple or move.
- It supports the fibres so they will stand upright for a longer time. It also means you will not need to brush the grass that often.
- You will not actually see the sand, as it is hidden by the curly fibres. Special sand will be used, that will not stain your clothes and will not become muddy.

How much sand do you need?

That depends on the quality of artificial grass. This information is provided on the packaging of the artificial grass. On average you will need 8 to 10 kg of silica sand per m².

tip!

Please wait for at least an hour after gluing the seams before spreading the sand.

tip!

Only spread the sand when it is dry. Brush the sand into the artificial grass with a stiff broom or power brush. Brush against the grain so the fibres will stand upright.

Would you like to fix the grass to the subsurface?

Use special ground anchors. Place one of those ground anchors into the ground every 100 cm. Do so at every side of the artificial grass.

tip!

It is best not to place your artificial grass adjacent to black soil (border). Otherwise you can be sure sand will end up on your lawn. It is best to use a strip of hardwood or aluminum to separate the grass from the sand.

Check out our installation video on YouTube.

You can find a record of the installation of artificial grass on our YouTube channel. Before you start, have a look at this video to get a good idea of the procedure.

www.youtube.com/RoyalGrassEU



Would you like to get your artificial grass installed?

Our advice: get it done by a specialist; a gardening expert experienced in the installation of Royal Grass® artificial grass. Then, you can be absolutely certain the grass will be installed beautifully plus you will get warranties on both the grass and the installation thereof.

Find a specialist near you at www.royalgrass.co.uk/artificial-grass-suppliers/

Is maintenance required for artificial grass?

Yes. Maintenance may be limited to an absolute minimum, but artificial grass does require some attention. If you did not receive the maintenance instructions, ask your supplier or download the instructions from the Royal Grass® website.



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www.royalgrass.co.uk