



INSTALLATION INSTRUCTIONS

GREEN HYBRID & FALL PROTECTION PAD



GENERAL

Hybrid grass is a mixture of natural grass and artificial grass. Green Hybrid grass is the only type of hybrid grass that can be used anywhere where natural grass is growing. The unique mesh construction allows an easy and fast installation on top of existing grass or newly sown lawns.

HOW CAN IT BE USED?

Green Hybrid can be used anywhere grass can grow. Whether it's on a football pitch, a playing field, alongside a slide, on a golf course, in a private garden or in a public park. It can be used on large areas or in patches - in general, those areas with a lot of foot traffic.

WHERE CAN IT **NOT** BE USED?

Green Hybrid grass can enhance a natural lawn threefold. Therefore, you can now have grass in many places where it was not possible before. Remember, however, that this does not mean that the grass can grow anywhere. It may not grow in places where there is a high amount of wear as a result of many people passing/using the area every day, or where there is heavy, regular traffic. It may also not grow in areas where growth conditions are simply too poor - e.g. if there is too much shade.

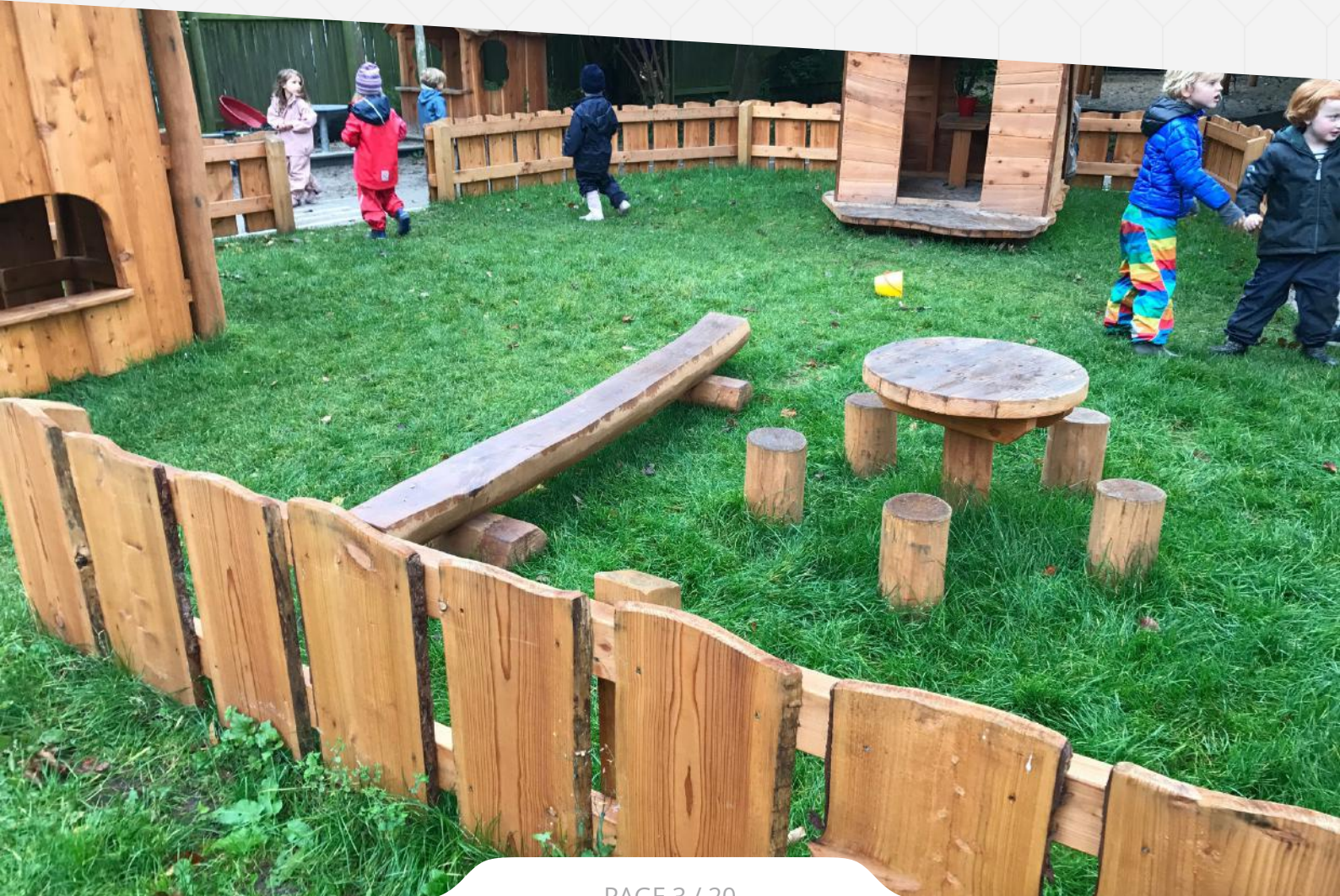
PRACTICAL INFORMATION

The product can only be used, and is only of value in areas where there is already well-established grass. So remember to ensure there is already proper underlying natural grass. If the soil is too hard, you may need to till it before the grass can be established. Once you install the hybrid grass, cordon off the area until the natural grass and Green Hybrid mesh have grown together properly. As a rule, this is once the grass has been mowed twice. However, check by pulling at the mesh to see if the roots have established.

Natural grass only grows at temperatures above 7 degrees. Normally, it will take about 3 weeks of growth after installation on turf or an existing lawn before natural grass and hybrid grass merge together properly. When installing on newly sown grass, this may take between 5 and 8 weeks.

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INSTALLATION INSTRUCTIONS

FALL PROTECTION PAD





1. 15 CM SOIL

On a rough ground planum, a layer of 15 cm. good and fine soil is laid out. (see specifications in appendix A in the spec-sheet)



2. LEVELING THE SOIL

Level out the soil horizontally and hereafter compact the soil with a lawn roller.



3. PLACE FALL PROTECTION PAD

Roll out the Fall Protection Pad 30 mm. on the desired area and secure it with the included 15 cm. compostable pins. Put 1 compostable pin for every 40 cm. along all borders. If you join two rolls of Fall Protection Pad, make sure the joint is completely tight and secure it on both sides with compostable pins for every 40 cm.



3.1. EXTRA LAYER (OPTIONAL)

If you need to put two layers of Fall Protection Pad 30 mm. On top of each other, continue with step 4 and then afterwards continue with step 3 and 4 again. Make sure the joints are not at the same spot for the second layer so the rolls are staggered.



4. SUBSTRATE & GRASS

Apply substrate in the grid of the Fall Protection Pad 30 mm. Make sure the grid is completely closed with substrate by sweeping it over in different directions. (see specifications in appendix A in the spec-sheet). Sow grass seeds in the filled substrate.



5. INSTALL GREEN HYBRID

Install the Green Hybrid product on top of the installed Fall Protection Pad 30 mm. by following the installation manual for Green Hybrid. (See the following pages)



INSTALLATION INSTRUCTIONS

HYBRID GRASS





1. DEFINE AND MEASURE THE AREA

Define and measure the area which you want covered in Green Hybrid. Be sure you order enough rolls to cover the desired area.



2. MANAGE THE GRASS

Manage the natural grass. Green Hybrid can be installed on an existing lawn, a newly-sown lawn, or turf.

Good growth is crucial for a good result.



3. BEGIN LAYING OUT THE ROLLS

When the natural grass is in order, you can start laying the Green Hybrid.

Remember to roll out the rolls in a way that causes minimal wastage.



4. COVER THE ENTIRE AREA

Now, use the rest of the rolls to ensure that the entire area is properly covered.



5. REMOVE THE PROTECTIVE EDGE

After you have rolled out the rolls, you can cut off the protective edge on the rolls with a knife.

This must be done to achieve decent joints.



6. JOIN THE ROLLS

Use the supplied sewing thread and the sewing needle. Pull approx. 5 metres of thread through the first hole and tie a knot. Sew up the net on at least every third hole (if working in a difficult area, e.g. on a slope or hillside, you can sew the thread through each hole for stronger joints).

At least every 5 metres, fasten the thread by tying a knot. Repeat until the entire joint has been sewn up. (Watch a video of how it can be sewn by scanning this QR code.)

Or visit nordiclawn.com/go-to/hybrid-grass-installation





7. INSERT PINS

12 pins per m² are included. The accompanying pins are spaced 40x40 cm from each other. The net must be stretched out before the pins are fixed, so make sure to start from the middle and work your way outwards, so that you can constantly tighten the net as you go.

You will need approximately 6 pins/m² across the surface. The remaining pins must be placed along the outer edges, also with a spacing of 40 cm.



8. FINISH THE EDGE

When the Green Hybrid has been assembled and stretched out, you can begin to finish the edges.

The edges must be buried approx. 5-10 cm into the ground. Tighten the Green Hybrid well and insert a pin every 40 cm for fastening.



9. REESTABLISH THE GRASS

Reestablish the grass once you have buried the edges of the Green Hybrid.



10. TOP DRESSING

Upon installation of Green Hybrid with blade heights exceeding 22 mm, the grass must be top dressed after installation.

Top dressing is done using top dresser, growth medium and/or sand. Top dress the grass to its desired blade height.

Unsure how to do it? Then contact Nordic Lawn for more information.



11. CORDON OFF THE AREA

The area is now cordoned off until the lawn has been mowed twice.



12. THE FIRST MOWS

When mowing for the first two times, the grass must have reached a height of 8-10 cm.



13. THE FINAL RESULT

The grass will look like this when it is ready for use. Remember to set the lawnmower to the highest possible cutting height the first two times the grass is mowed. On hills and slopes, use an edge trimmer or a hover mower.

Perhaps give the customer any surplus pins, so that they can restore the lawn themselves if the mower gets caught in the hybrid mesh after the first few mows.



On the following pages
you will find our guide to
Operation & Maintenance



OPERATION & MAINTENANCE





PERFORMANCE

Green Hybrid can normally be installed all year round. However, natural grass will not grow, and the combination between artificial turf and natural grass will not occur, until the temperature is above 7 degrees Celsius. For the best conditions and the best results, install hybrid grass when the natural grass has a consistent growth period, so that the natural grass grows to a height where it can be mowed at least 2-3 times before it is put into use.

(See installation instructions)



BEGIN TO USE THE HYBRID GRASS

Hybrid grass should be allowed to get off to a good start. It must be sufficiently merged with the natural grass to achieve its strength. As a rule, it has merged with the natural grass when the grass has been mowed 2-3 times. You can always try to pull at the artificial turf mesh, and if it is firmly rooted in the natural grass' roots, it is in order. If not, please leave the grass to grow stronger. However, the fastest way to ensure a strong lawn is to ensure the natural grass has enough heat, light, water and fertiliser.

HYBRID GRASS

MOWING

30-35 mm. is the optimum mowing height. Mowing should be done as per your normal routines - and it is advantageous to use a collector.

NB: If the field is not level, using a rotary mower is not advisable. On hills, slopes and uneven terrain, we advise using a hover mower or an edge trimmer to avoid the mesh getting caught in the mower.

GROWTH

If you have poor growth due to drought, rain or other factors, the hybrid grass will protect the natural grass. Natural grass can easily be worn off to make the artificial grass visible. There is nothing wrong with this in principle.

However, when new grass development of the lawn are worn off, action must be taken.

Make sure the grass is fertilised with NPK fertiliser, watered and cut according to normal routines. If this is not enough to get the grass growing again, you will have to renovate the lawn.

AERATION

Green Hybrid distributes pressure across the lawn so that the soil structure and root system cannot be compressed as much as a normal lawn. However, it is still good to aerate the lawn occasionally - preferably once or twice a year. Aeration of the lawn is done using deep aeration/verti-drain with pipes in sizes of 5-10 mm. (Avoid using a vertical cutter, or anything else which will cut the mesh).

CLEANING AND INSPECTION

Inspect the lawn at least once every two weeks when the lawn is in use. Be sure to remove dead organic material and waste. At least once annually, sweep the grass with a hard broom to straighten blades and remove dead grass and organic material.

RENOVATION

Renovation of the lawn can be done through deep aeration, supplementary sowing, fertilising and watering. Cordon off the area until the grass is growing well and has been mowed 2-3 times.

FALL PROTECTION PAD

Nordic Lawn – Fall Protection Pad systems are non-hazardous in terms of the norm. The operator has to ensure regular inspection of the area.

VISUAL INSPECTION

Weekly visual inspection to detect obvious hazards.

MAIN INSPECTION

Annual intensive verification of the positional safety and operational safety of the fall protection, control of the strength of the joints and the sewing thread used and the enclosure elements. The compartments of the Fall Protection Pad 30 mm. should be checked and potentially refilled with lawn substrate over time. For inspection of equipment foundations, the Green Hybrid can be cut open and sewed together again easily.

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