



Landscape Artificial Grass



Installation Guide





Introduction

TigerTurf Artificial grass is expertly crafted using the highest quality UV-stabilised materials, ensuring durability and longevity as a superior alternative to natural grass. Designed to withstand the elements, our turf maintains its vibrant appearance and performance over time, providing a hassle-free solution for a variety of outdoor spaces.

For those interested in a DIY approach, we offer a comprehensive installation guide that walks you through each step, making it easier than ever to achieve a professional finish. Whether you're enhancing your backyard, creating a sports area, or upgrading a commercial space, TigerTurf's artificial grass is the perfect choice for beauty, resilience and low maintenance.

Enjoy the lasting benefits of a pristine lawn with minimal effort!

The TigerTurf Team

Before You Start

**READ INSTRUCTIONS THOROUGHLY
BEFORE STARTING**



Tools Checklist

- Tape measure
- Notched trowel
- Cutting knife with spare blades
- Vibrating compactor
- Garden tools including: rakes, shovels, stiff broom
- Drop spreader or fertilizer spreader
- Level
- Straight edge
- Roller

Materials Checklist

- TigerTurf Artificial Grass
- TigerGrip Premium Bond Green Seaming adhesive
- Seaming tape (Alternative seaming system - TigerTurf EziStrip)
- 20mm crushed rock
- 5mm fine crushed rock (crusher dust)

Preparation

1. Spray your existing lawn with a weed killer, allow suitable time to take affect. Respray if required. Remove all the dead grass, weeds, organic matter and debris.
2. Confirm the desired height of the top of the TigerTurf grass and calculate the excavation of natural soil required. For small areas hand digging will suffice, for larger areas the use of machinery will save many hours of manual work. Allow for laying grass along hard edges (eg: pathways, timber retaining edges) and smooth edges. The nominal depth for a landscape grass base is 75mm – 100mm dependant on sub surface conditions. Levels should be established.
3. The sub base should be excavated, compacted and levelled. If suitable the base should be graded to allow for horizontal drainage to a garden area. If replacing lawn within an existing contained area allow for grass height when installing next to timber edges.



Base Construction

1. Spread and level 20mm crushed rock (GAP 20) to a nominal depth of 80mm. Lightly water and compact with a vibrating plate compactor. Fill any depressions, compact and ensure surface is level.
2. Spread and level 5mm fine crushed rock (crusher dust) to a nominal depth of 20mm. This layer should be rolled or compacted. Fill and screed any low or high spots.
3. The completed base should be at the correct height when considering the addition of the TigerTurf grass selected and the overall height desired.



Installing the Grass

1. The TigerTurf artificial grass should be rolled out outdoors and in the sun to allow fibres to straighten whilst the base is being finished.
2. The initial measure and layout plan will ensure the most efficient use of the grass. Ensure the grass is installed with the fibres / pile in the same direction.
3. Trim off the manufacturing strip (salvage) on each side of the grass (cutting along the rib line from the rubber backed side).
4. The grass has a natural lay to the fibers as a result of the manufacturing process called the nap, it is important that the nap is laying in the same direction for all rolls. Ideally the tips of the fibers should be facing the direction your grass will be viewed the most e.g the house, alternatively if it is a more efficient use of the grass viewing the side of the fibers is acceptable. It is not ideal to be viewing the backs of the fibers as this will expose more surface area and shine/gloss.



YOU CAN USE EITHER TIGER EZISTRIP ADHESIVE TAPE OR TIGER TACK AND TAPE TO JOIN THE GRASS

Installing the Grass

The following steps apply when using **Tiger EziStrip Adhesive Tape**

5. Lay out the grass carefully on the base where it will lie. In preparation for joining the grass the separate pieces should be positioned close to each other. The grass pieces should be trimmed along the ribs to be joined to ensure that the standard rib gaps are maintained. The sides of both grass pieces at the seam should be rolled back approximately 200mm and temporarily secured. The TigerTurf EziStrip be centred at the seam location at an equal distance from each piece of grass. The EziStrip can be secured by nailing the tape into the base by using 100mm galvanized flathead nails.

6. With the grass pieces rolled back and secured, the protective slit film on one side of the EziStrip can be removed 1 to 2 meters. Carefully fold the edge of one piece of grass onto the EziStrip in a straight line. Remove the remaining protective film and join the other piece of grass. Work slowly down the seam and ensure the rib gap is correct and no fibres are trapped on the tape.

Note: on one side of the grass the fibres will lay away more from the seam. Lay this side first to avoid trapped fibres

7. As the grass pieces are adhered to the EziStrip use a spiked roller to roll along the length of the seam or press the seams by walking it several times to ensure adhesion and smoothness.



Installing the Grass

The following steps apply when using **seaming tape & TigerGrip**

7. Repeat the process, as per 5 & 6 above, carefully along the length of the seam
8. Lay out the grass carefully on the base where it will lie. In preparation for joining the grass the separate pieces should be positioned close to each other – with 5-10mm gap. The sides of both grass pieces at the seam should be rolled back approximately 300mm and temporarily secured. The 300mm seaming tape should be centred at the seam location at an equal distance from each piece of grass. The seaming tape should be held in place at each end with an appropriate weight.
9. The grass pieces should be trimmed to remove any manufacturing strip and trim along the ribs to be joined to ensure that the standard rib gaps are maintained. Before applying adhesive to the seaming tape do a dry test run to ensure the grass pieces will be able to be joined with the correct rib gap.
10. With the grass pieces rolled back and secured, the adhesive can be applied to the seaming tape. The notched trowel should be used to apply adhesive to the entire seaming tape for a length of 3 to 5 metres. The glue will be 'tacky' in 2-3 minutes and is ready for use. Carefully fold the edges of both pieces of grass onto the glued tape and line up the edges with correct gap.



Using a spiky roller to strengthen bond



Seaming tape laid between rolls

Installing the Grass

The following steps apply when using **seaming tape & TigerGrip**

Work slowly down the seam and ensure no fibres are trapped in the glue. Some movement of the grass is possible as the adhesive is still workable.

11. Repeat the above process by trowling more adhesive and joining along the length of the seam.
12. As the grass pieces are joined use a spiked roller to roll along the 3 to 5 metre length of the seam or press the seam by walking it several times to ensure adhesion and smoothness.
13. The grass should be trimmed to fit the area. Depending on the application grass may be secured at the perimeter by using a timber edge. In most applications grass is laid onto the base.



Infilling the Grass

1. Ensure the grass pile is upright to allow most effective infiltration of infill material. Hand or power broom the fibres upright if required.
2. The grass should be infilled with alternating fine layers of dried sand. A drop spreader is the most suitable equipment to use in applying infill material. Each infill layer should be brushed in by either a stiff brush or power broom to ensure even and deep spread of infill material. Sanding can only be done when the grass and sand are dry.
3. Repeat sand layering and brushing in. Check specifications of the specific product, but most landscape grasses infill to approx 40 - 50% of the pile height. Finish by brushing entire surface.



TigerTurf TurfGuard

Used as a preventative to stop infestation of moss, algae, liverwort, lichen and fungus on paths, roofs and synthetic grass surfaces. It is also a strong disinfectant against bacteria and viruses.

Algae growth is a common issue, especially in humid conditions. It tends to develop more frequently on artificial surfaces, whether filled or unfilled, particularly in warmer climates where regular, thorough cleaning may not be possible.

One of the earliest indicators of algae or moss is when certain areas of the TigerTurf surface turn brown and become slippery. Sports fields and courts with artificial turf are particularly vulnerable to algae and moss, as these organisms thrive in the favorable conditions these surfaces provide. Over time, most artificial turf pitches are eventually affected by this issue.

To address this, the first step should always be prevention.



What is TurfGuard?

What does it do?

Controls moss, algae, liverwort, lichen and fungus on paths, roofs and synthetic surfaces. Disinfects against bacteria and viruses.

Active Ingredients?

100g/L Benzalkonium Chloride

How does it work?

TurfGuard has a powerful penetrating and wetting action and is taken up by moss, algae, liverwort, lichen and fungus within minutes. Under the right conditions and application rates death will occur for algae and liverwort in minutes and moss and lichen within hours although this can take up to a week to become visible. Synthecol Quad BC is a blend of Alkyl Dimethyl Benzalkonium Chloride compounds used as the active ingredient in formulations such as hard surface cleaners and disinfectants, sanitisers, water treatment preparations and swimming pool treatment chemicals. It also has extensive use in moss, mould and algae control on exterior hard surfaces, such as concrete, bitumen, ceramic and steel roofing surfaces and synthetic playing surfaces. In these applications it provides a strong biocidal action against bacteria, fungi, viruses and algae. When very dilute and when bound to environmental soil it becomes biodegradable. It has had many decades of safe and satisfactory use around the world across many different areas of application.

TigerTurf TurfGuard

PRICE PER 25 LITRES \$175 + GST EXCLUDING DELIVERY

Coverage

- 100m² depending on porosity and growth
- Heavy infestations should be done at 50m²
- Approximate coverage for a bowling green 36.6m x 36.6m = 13.5 Litres of concentrate
- Approximate coverage for a tennis court 34m x 16m = 5 Litres of concentrate

Application

- Apply with a garden sprayer or boom sprayer, 1 litre TurfGuard to 5 litres water.
- Mix 1-part TurfGuard to 5 parts water. A 2nd application 1-2 months after the first will assist where contamination is bad.
- TurfGuard is best applied in overcast dry conditions. Do not apply if rain is expected in 4-6 hours.
- New surfaces should be treated within 2-3 months of installation. Ongoing maintenance should be carried out every 3-4 months.
- Once treated, a badly contaminated surface may require a second application within 3 weeks to ensure optimum results. This is a residual chemical and may take up to 3 months for results to be evident.
- Normal contaminated areas may take up to 2 months for results to be evident.
- Once the infestation is under control, TurfGuard should be applied at least 3-4 times per year.
- All surfaces should be scraped free of any debris or organic matter prior to spray treatment. This will allow penetration of chemical to the sand filter where contaminant is growing.
- Failure to do so will result in only the surface matter being treated and rapid rejuvenation.
- Don't spray delicate plants. Please read instructions before use!

Maintenance

- TurfGuard will allow treated surfaces, once clean, to be maintained by applying TurfGuard at a rate of 1-10 parts of water at the same coverage rates as above.

Precautions for handling & use

- Avoid breathing vapour and ensure adequate ventilation when using.
- Do not drink or smoke when using.
- Wear gloves and safety glasses.
- Avoid contact with the skin.
- Remove protective clothing, wash hands and face before meals and after application.
- Wash splashes from the skin immediately.

First Aid

Contact with skin or eyes – flush with a lot of water. If ingested drink 2-3 glasses of water. Seek medical advice.

Spills & Leaks

Contain spill with sand, mud or sawdust. Dispose via an industrial waste collector.

Pets

Keep animals off treated surfaces until the product has dried. Rinse paws with water if they get contaminated.

CAUTION

KEEP OUT OF REACH OF CHILDREN AND PETS. MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN.

Proudly made in New Zealand

**NATIONAL POISONS CENTRE 24 HOUR
INFO LINE 0800 764 766**

Active ingredient: Benzalkonium Chloride
Dimethyl Ammonium Chloride

SCAN HERE

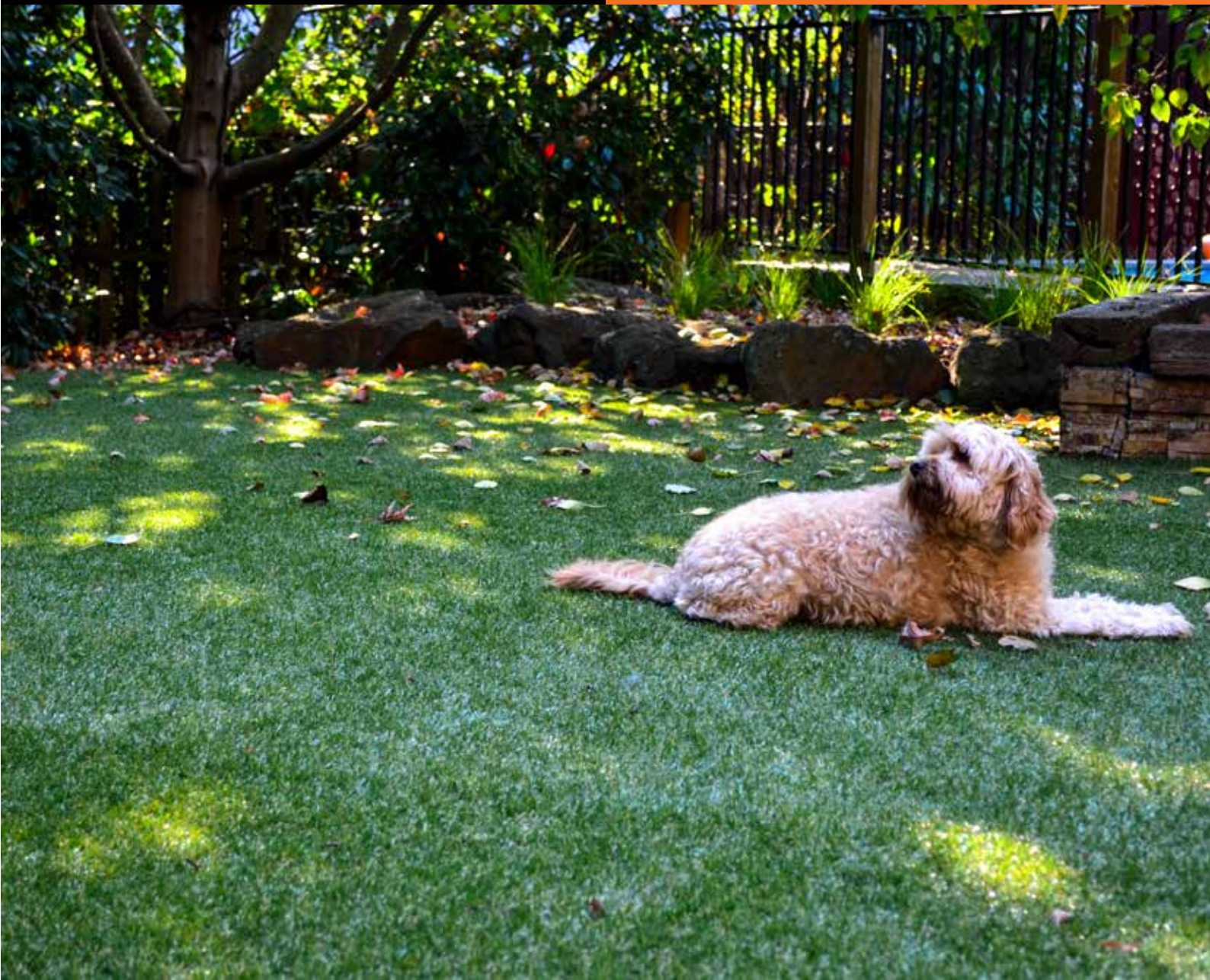
to place order or for more info email
logisticsnz@tigerturf.com
0800 804 134



Tiger Tips

- Wet weather – take a break! Do not install or infill artificial grass in wet weather.
- Use the specification sheets, ask for help as required.
- A wonderful surface requires a correctly constructed base.
- Grass is perforated for vertical drainage but allow for horizontal drainage as well.

Disclaimer: These instructions are provided as a guide only. Advanced techniques and customized equipment used by experienced installers provide superior results, even on difficult sites. Installation specifications vary widely within the industry – beware of short cuts compromising quality. As a well-established manufacturer and installer of artificial grass our instructions provide a guide to achieve a premium base and artificial grass surface.





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