

# TECHICAL GUIDE

## Grassmat



*The accessibility and protection mat for lawns*

### TABLE OF CONTENTS

<b>Product definition</b>	02
<b>General characteristics</b>	02
<b>Product accessories</b>	03
<b>Conditions of use and installation</b>	03
<b>Maintenance</b>	06
<b>Resistance tests</b>	06
<b>Warranty</b>	07
<b>References</b>	07

## PRODUCT DEFINITION

The Grassmat protects, reinforces and stabilises your lawn areas, whether in the garden or in public spaces. It's the ideal solution for maintaining and protecting your green spaces while providing easy access for pedestrians and vehicles quickly and efficiently.

## GENERAL CHARACTERISTICS

### 2 SOLUTIONS FOR 2 USES:

- **Grassmat 1.6 kg/m<sup>2</sup>**: Ideal for pedestrian use or light vehicles (<3.5 tonnes)
- **Grassmat 2 kg/m<sup>2</sup>** : Ideal for intensive use by light vehicles (<3.5 tonnes) or heavy vehicles (<10 tonnes)

## DIMENSIONS / TECHNICAL INFORMATION

Weight	Available width	Thickness	Colour	Materials
1.6 kg/m <sup>2</sup> 2 kg/m <sup>2</sup>	2 m 1 m	14,5 mm	Green	100% polyethylene mesh

### Length:

- 20 m maximum (connectable rolls)\*

**\*Note:** We can adapt to your configuration and customise the length of the mats on request.

## MAIN ASSETS

- **Properties:** Anti-slip mat
- **Safety:** Prevents getting stuck on wet or unstable surfaces
- **Protection:** Does not retain the sun's heat, UV-resistant
- **Installation:** Quick and easy to maintain and remove
- **Environmentally friendly:** Allows grass to grow between the meshes
- **Manufacture:** Made from recycled and recyclable polyethylene
- **Maintenance:** Easy to clean, all you need is a broom, a blower or a jet of water



## PRODUCT ACCESSORIES



### U-fixing:

U-fixing (U-shaped fasteners) are provided for easy installation and fixing of the mat. They also make it easy to connect two mats. The U-fixing is 17cm high.

### Straps:

Straps are supplied to make transporting the mat easier. Two straps will accompany each of your mats. They will also make it easier to store your mats at the end of the season if you wish to remove them.

## CONDITIONS OF USE AND INSTALLATION

### REQUIRED MATERIAL

- Mallet or hammer

**2 people are all you need to install and remove the Grassmat. A 40 meter section can be installed in just 10 minutes!**

### INSTALLATION

#### STEP 1: Levelling the ground

If necessary, fill any gaps in the soil with sand or earth.



**We strongly recommend installing Grassmat on mown grass.**

#### STEP 2: Laying the mat

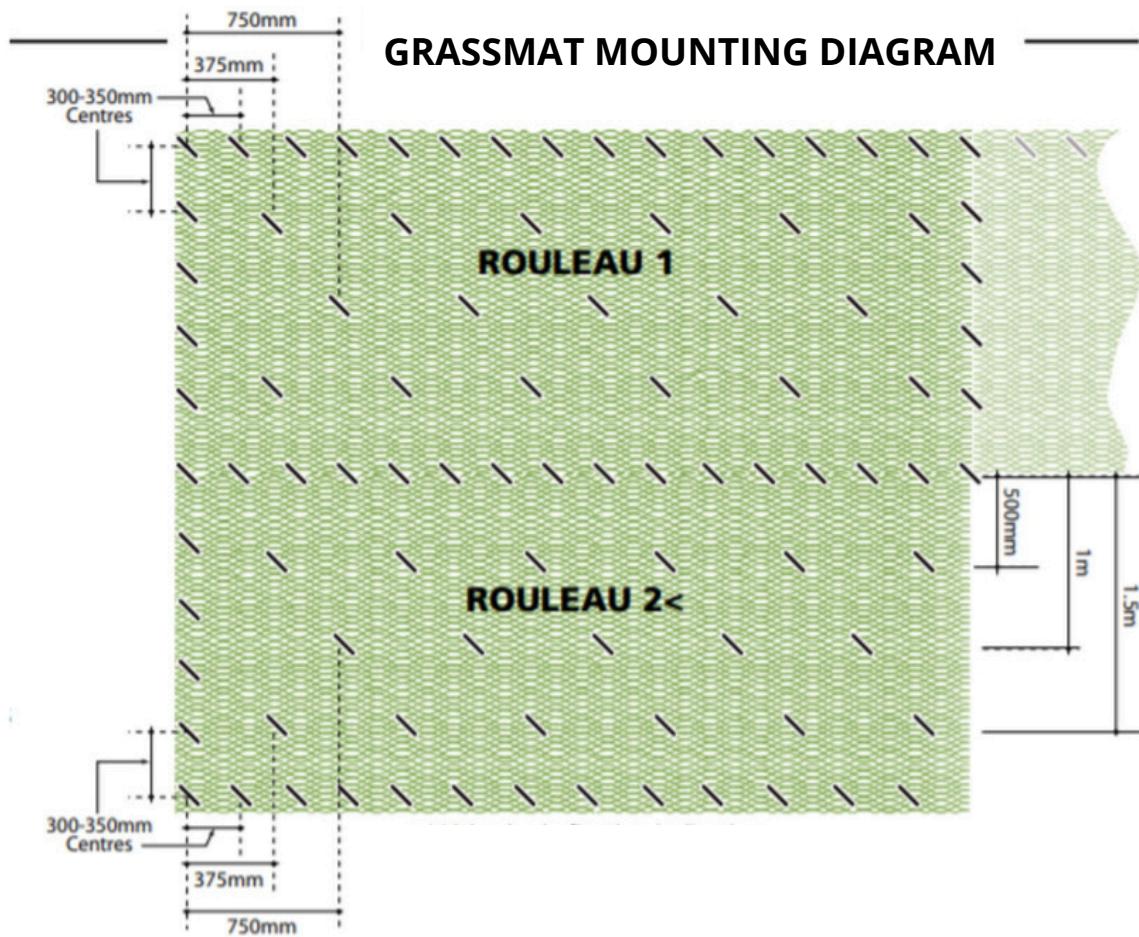
On the lawn, unroll the mat in the desired position (a broom is all you need to remove the leaves from the ground if necessary). It is advisable to temporarily fix it at the 4 corners so that the mat regains its flat appearance (supplied in rolls). The recommended waiting time is about 1 hour and may vary depending on the weather.

#### STEP 3: Fixing the mat to the floor

Once you have unrolled your mat in the desired location, you simply need to fix it in place by using a hammer to hammer the U-fixing (**4 U-fixing per m<sup>2</sup> are supplied with the order**) into the meshes in the desired location. It is best to fix the U-fixing between the upper meshes of the Grassmat so that the chevrons do not protrude. We recommend arranging the U-fixing as shown in the diagram on the next page.

## STEP 4: Helping grass to grow

Once the Grassmat is firmly in place, we recommend watering or spreading fertilizer to help the grass grow and restore the natural appearance of the surface. The best results are obtained by keeping vehicles away until the grass has grown through the Grassmat.



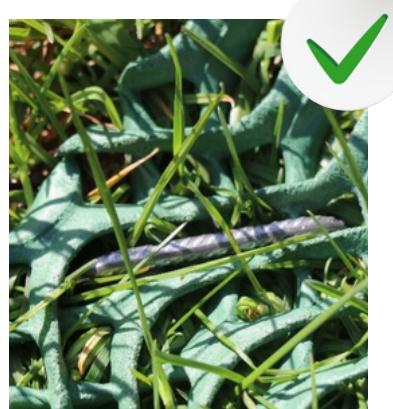
### IMPORTANT:

Thermal expansion and contraction may occur following prolonged exposure to hot climates.

We recommend to leave a 15 mm gap between each roll before fixing, in order to adequately anticipate these possible risks.

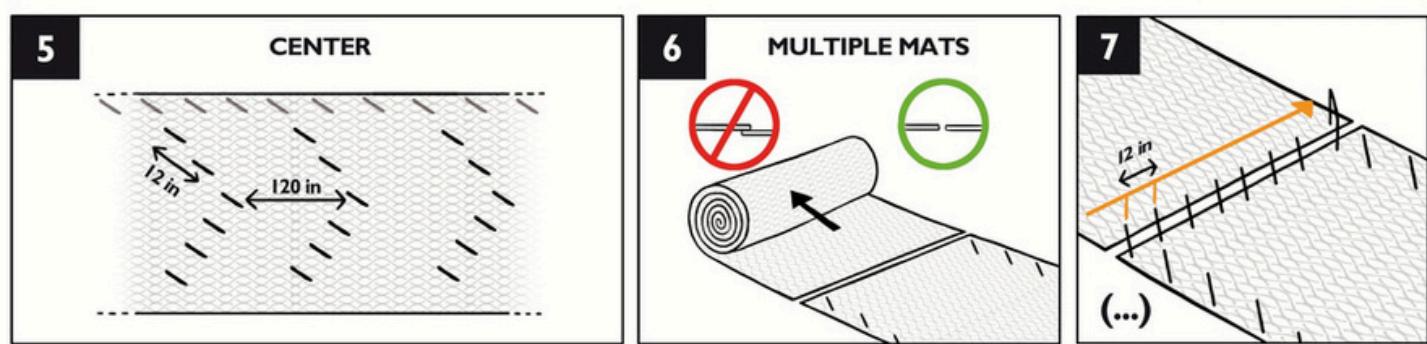
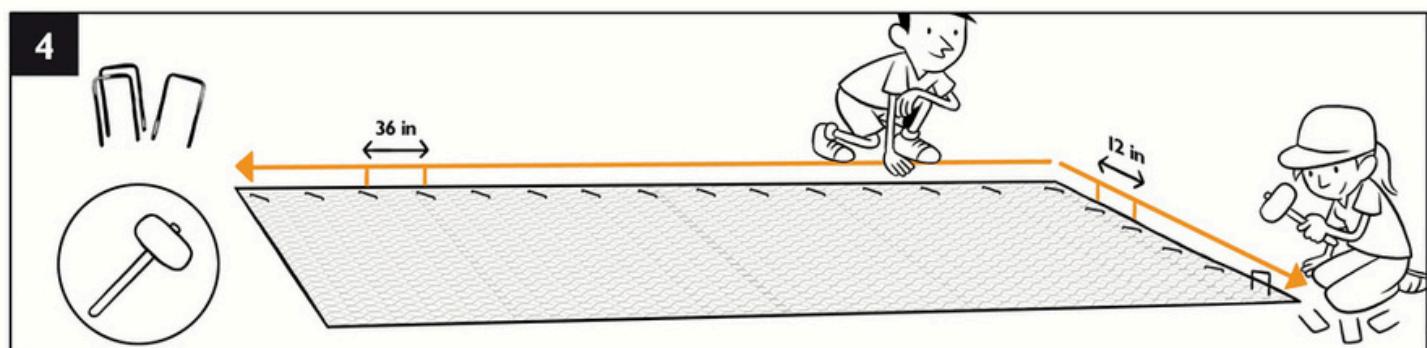
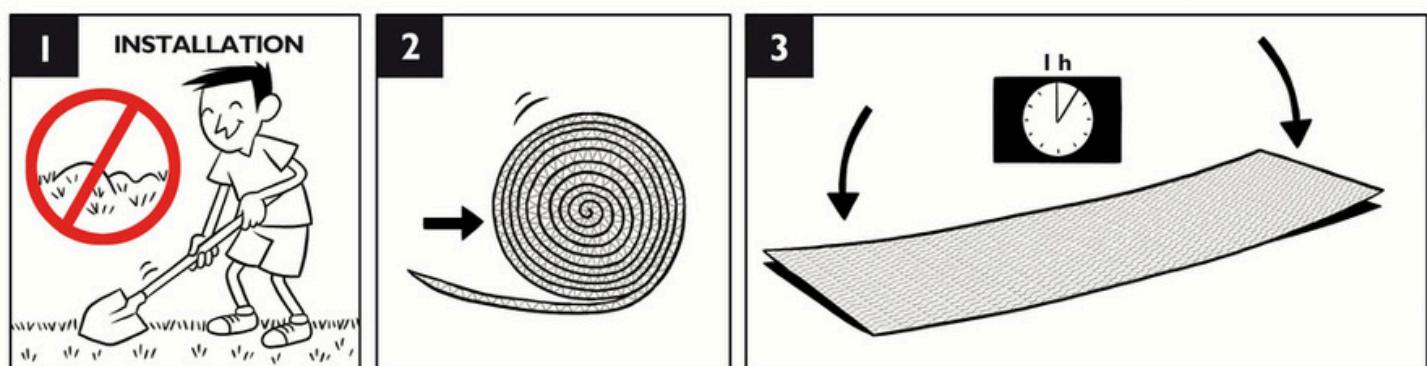
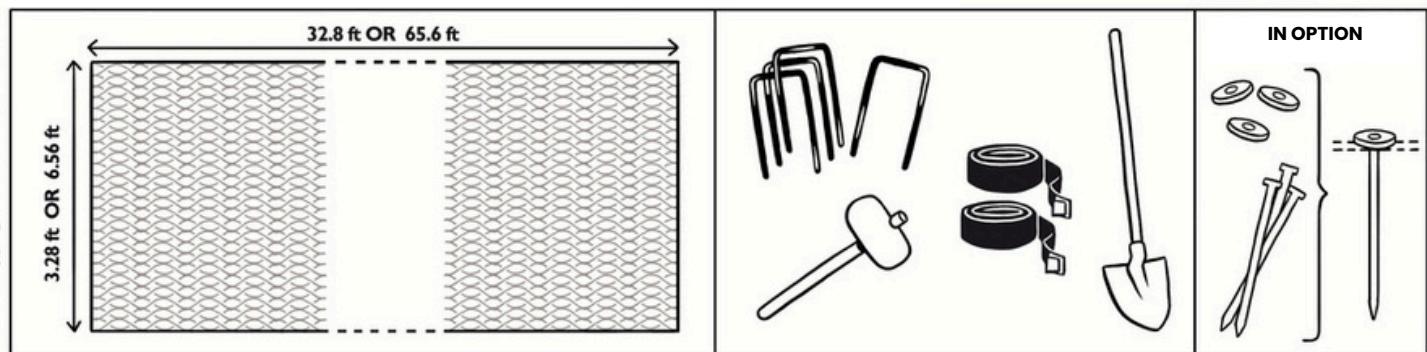


INCORRECT FIXATION OF THE U-FIXING



CORRECT FIXATION OF THE U-FIXING

# GRASSMAT



## OUR RECOMMENDATIONS:

- Some precautions must be taken when installing the Grassmat on your ground. Be sure to insert the U-fixing into the Grassmat grooves to limit any inconvenience.

 **ATTENTION:** The soil must be drained to avoid the risk of the Grassmat sinking into the ground and the accumulation of muddy soil on the surface of the mat.

## UNINSTALLATION

### STEP 1: Remove U-fixing

Remove the U-fixing from the Grassmat. If they are firmly anchored, it may be necessary to use pliers.

### STEP 2: Storage

All that's left to do is roll up your Grassmat and use the supplied carrying strap for safe handling and storage.

## MAINTENANCE

Grassmat can be cleaned quickly using a broom, blower or pressurized water jet.

The first 3 or 4 mowings should be made with a cutting blade set at an appropriate height to allow the grass to develop properly.

## RESISTANCE TESTS

### MECHANICAL PROPERTIES (Grassmat 2 kg/m<sup>2</sup>)

- Tensile strength certified in ISO 10319 (1): **14 kN/m**
- Elongation at maximum load certified in ISO 10319: **35%**
- Residual thickness at 500 kPa in ASTM D1621 (2): **80%**

### STANDARDS:

**(1) NF - ISO 10319:** Reference test method for determining the tensile mechanical properties of geo-synthetics (polymer-based) using a wide-width strip.

**(2) ASTM D1621:** Standard test method for compressive properties of rigid cellular plastics under load. This test and ISO 844 are technically equivalent.

## WARRANTY

**AccessRec Europe offers a two (2) year warranty from the date of purchase. This warranty covers manufacturing defects only. Alterations due to normal use are not considered manufacturing defects. Damage caused by vandalism or the passage of vehicles (other than those intended by normal use of the product) is not covered by the warranty.**

### The warranty does not apply to:

- normal wear and tear
- improper use, maintenance or storage of the solution.
- accidents or natural disasters
- modifications made to the solution without the written consent of Accessrec Europe.
- repairs made without the written consent of Accessrec Europe.
- labor or shipping costs that may be necessary if repairs are contemplated.

If you are not satisfied with the conditions or repairs, please contact Accessrec Europe directly. Products may not be returned without the consent of Accessrec Europe. The two (2) year warranty is only applicable to the original purchaser.

## REFERENCES



Scan me to discover our full range of walkways and access mats