TERRATURF® User Guide

Installation Instructions on Natural / Artificial Turf

This publication has been produced as an aide to installing your TERRATURF® System and accompanying Accessories. Whilst every care has been taken to ensure the contents are both thorough and accurate it should be used as a guide only.

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1.1 <u>Field / Pitch Preparation</u>

1.1 Grass Length:

The grass should be gradually cut to its lowest length and be watered as normal – do not over water as this will cause problems. Grass should not be watered prior to installation of TERRATURF $^{\text{\tiny B}}$, always allow the grass to dry before installation commences.



1.2 <u>Humidity Level / Extended Period of Use</u>:

Consider the use of a fungicide and or growth retardant if the humidity level is high or if the System is in place for an extended period of time.

2. <u>Health & Safety</u>

2.1 <u>Risk Assessments</u>:

Risk Assessments should be undertaken prior to commencement. An example is available on this website but it should be noted that this is an example only and specific modifications will be needed for each individual site.

2.2 <u>PPE</u>:

All personnel should be issued with PPE (personal protection equipment) including, but not limited to strong boots preferably with reinforced toe caps, high visibility vests and gloves. Advice should be provided on wearing appropriate clothing for specific weather conditions e.g. hats and shirts when working in full sun.

3. <u>Staff Requirements</u>

- 3.1 To achieve a fairly effortless lay, a team of around 32 people should be employed with a break down as follows:
 - 2 Supervisors plus Groundsman in Ultimate charge.
 - 6 Teams of 4 each team with 2 Placers and 2 Lockers.
 - 4 Floaters, who move around as and where required, provide relief for rest breaks.
 - 2 qualified forklift Drivers.

(The 2 Placers and 2 Lockers should periodically change over to give the Placers a rest.)

4. <u>Material Handling</u>

4.1 Forklift Drivers should be given specific instructions relating to site access and strategic placement of materials to minimize the distance travelled between the storage area and the installation area. At stadiums that have a hard track around the field area it may be possible to place materials on their pallets adjacent to the field.



4.2 Trolleys should be provided to keep movement of blocks by hand to a minimum. A full pallet should be loaded onto each trolley at the edge of the field by forklift.



<u>Under no circumstances should the forklift be driven onto the field or on top of the TERRATURF $^{\tiny{\textcircled{\tiny 0}}}$ </u>.

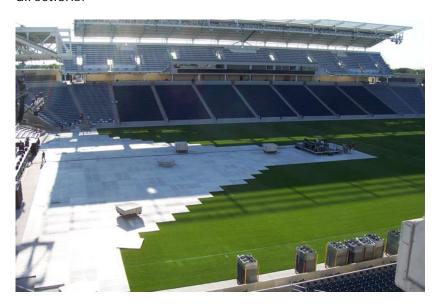
- 4.3 Trolleys should only be used on top of TERRATURF $^{\otimes}$ particularly when full, and wherever possible all foot traffic should stay on the TERRATURF $^{\otimes}$.
- 4.4 Utility vehicles and Tractors fitted with Turf Tyres may be used on top of TERRATURF $^{\circ}$.



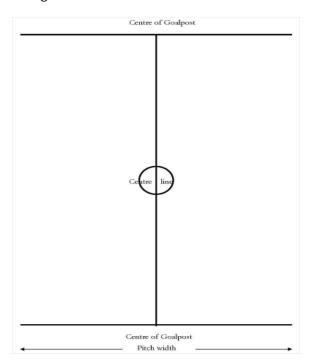


5. <u>Pre-Lay Procedures</u>

5.1 For correct laying of TERRATURF® it is essential to start exactly 'square', therefore time should be spent initially to make sure that there is a perfect 'stringline' in both directions.



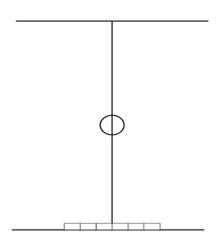
5.2 Stringline Diagram 'A'



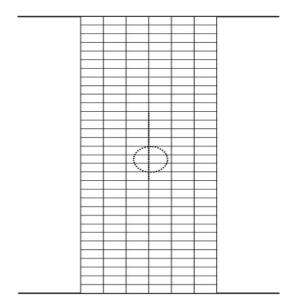
6. <u>Laying Procedures</u>

6.1 The first line of tiles going up and across the field needs to be placed exactly on the 'stringline' and each block fully locked to those adjacent to it, prior to <u>pulling out the expansion joints to their maximum</u>.

Stringline Diagram 'B'



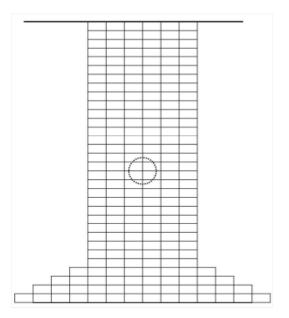
6.2 Stringline Diagram 'C'



6.2.1 The 'Step' Pattern

Having achieved perfectly square lines of tiles as shown in Diagram 'C' the teams should commence placing and locking the blocks – 3 teams in each direction <u>always starting from the centre of the field and working outwards in the 'step pattern'</u>.

6.3 Stringline Diagram 'D'



It is extremely important for the Placers to accurately position the tiles so that the Lockers do not have to move them – this speeds up the operation considerably and avoids attempts to lock misplaced tiles which cause misalignment and tightness.

6.4 3 teams lay in each direction:

Team 1 always keeps ahead of Teams 2 and 3

Team 1 locks first fully laid row

Team 2 locks into Team 1's first row

Team 3 locks into Team 2's row etc.

All Teams must remember to lock in both a horizontal and vertical direction.

7. <u>Locking Procedures</u>

7.1 Pre-pinned panels lock into each other by means of a 'T' Connector 'snapping' into its Receptor. This is easily achieved by the Lockers using their feet. Placers should lay all panels accurately for 'snapping' ensuring the Lockers do not have to re-position any panels saving time and risk of damage to the panel.



It is recommended staff wear adequate footwear for this task. (See Section 2 on PPE)



8. <u>Building Mixer / Delay Towers</u>

8.1 To protect the grass it is preferable to build the Mixer and Delay Towers on top of the Terraplas System. Timber is the best way of spreading the load and the photographs below illustrate how this is done.

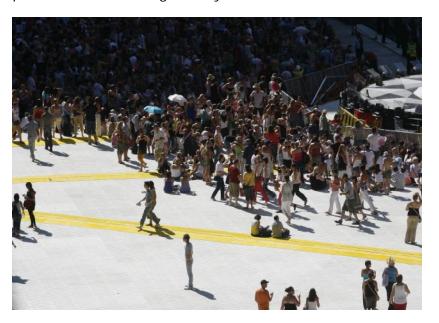


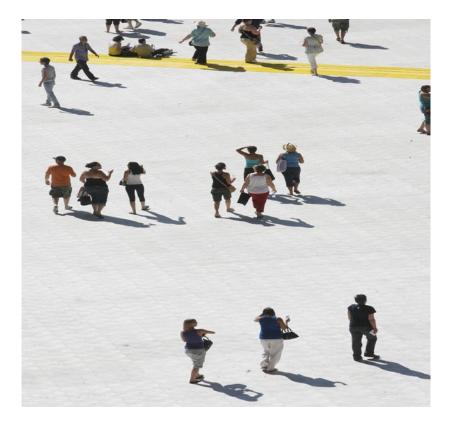


9. <u>Accessories</u>

9.1 <u>Cable Duct Tiles</u>

Health & Safety make it compulsory that the public are adequately protected from cabling. The use of Cable Ducts, shown here in yellow, ensures public safety and makes it possible for cables to go in any direction.





9.2 <u>Edge Trims</u>

To protect the public from 'trip hazards' Edge Trims in alternating colours of red and yellow can be placed under $\mathsf{TERRATURF}^{@}$ quickly and easily.





9.3 Ramps

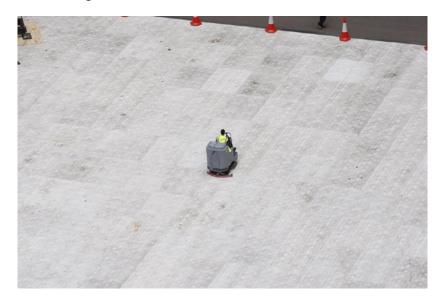
To comply with D.D.A. (A.D.A.) rules, wheelchair Ramps can easily be positioned where required.





10. <u>Lifting Procedures</u>

10.1 Before any removal procedures are commenced it is essential to brush the System surface both ways ensuring no debris goes on to the field.



- 10.2 Each panel should be unsnapped in accordance with the specified pre-pinned size. Panels should then be laid onto pallets in correct quantities.
- 10.3 Using trolleys take the pallet to the side of the field where a forklift should be made available for banding.

<u>Under no circumstances should a full pallet be moved to the storage area without banding.</u>

11. Cleaning and Maintenance

11.1 To maintain your TERRATURF® in pristine condition it should be thoroughly cleaned between events using a high pressure washer and brush to remove any stubborn marks, chewing gum etc.

<u>Under no circumstances should any silicone based cleaning fluids be used.</u>



- 11.2 Personnel look for any broken tiles or pins and replace as required. This ensures your System remains in perfect condition at all times and ready for use.
- 11.3 Your System can be stored either inside or outside, however, if stored outside we recommend covering to keep it clean.