



AQUA

Manual Artificial Grass LATEX - Football, Rugby, Golf, Cricket, Hockey, Multi Sport, Basketball & Running Track -V01

1. RECEIVING THE GOODS:

It is necessary to carry out a careful check of the rolls in the presence of the conveyor and to report in the appropriate transport documentation any anomalies found (integrity of packaging, damage to the rolls, tearing of the textile carpet, etc.); Please indicate in the communication to Safitex the code of the coil affected by the anomaly found;

If, during the spreading of the rolls, are found anomalies not detectable during the preliminary verification of the material at the time of delivery, the customer is required to report with a special email to info@safitex.it the type of defect detected and the unique code of the relative roll.

The customer must not continue with the laying of the synthetic turf until receiving from the supplier Safitex the relevant instructions, in order to ensure the proper execution of the sports surface (example: modification of the laying plan, sending on-site Safitex technicians, replacement of the material affected by defects, etc.);

2. STORAGE:

The products must be kept in the original packaging and intact provided by Safitex.

The storage area must be suitable for the storage of the material before the final installation (clean, dry, at a temperature between 4°C and 35°C and protected from atmospheric agents).

The storage period of the material should be limited. If it is longer than 3 months, it is necessary to agree with the manufacturer what measures to take so that the turf can maintain its characteristics (example: damage caused by a prolonged crushing of the yarn, deterioration of the backing, etc);

The synthetic turf sheets must be stored horizontally, on planar and free surfaces. It is allowed to superimpose the rolls on each other for up to 3 rows.

3. SUB-FUNDS CONTROL AND PREPARATION:

The substrate on which the synthetic turf will be installed must be suitable to ensure the perfect functionality of the new flooring. Safitex assumes no responsibility for the realization of the sub-funds and/or the evaluation of the same and assumes as a technical reference the regulations drawn up by the individual sports federations, in terms of drainage capacity, flow, flatness, stability, etc;

Any assessment of the possible consequences of each element related to the substrate is the sole responsibility of the customer who must rely on a qualified and proven professional. The technician in charge, with appropriate skills to ensure the full success of the implementation, can use the prior advice of the technical office of Safitex for any suggestion.

The substrate must be planar, draining, of appropriate capacity, suitable to support the operations for laying the turf (spreading rolls and infill) and its correct support. Underlays that are too smooth, not draining, not stable, of inappropriate inclinations can compromise the functionality of the playing surface and the durability of the synthetic surface.

In the case of renovations/replacements of pre-existing floorings we focus the attention on the need to redevelop the substrate for the new laying, in terms of slopes, drainage, stability, etc. It is also important to evaluate possible interactions of the existing substrate with the new surface (e.g.: chemical reaction with bituminous substrates, damage to the backing in the presence of aggressive chemicals, etc.);

In order to ensure that the new synthetic flooring remains functional over time, the use of materials to be interposed between the existing ground and the new turf may be necessary to improve the anchoring of the latter and/or implement the performance of the game (e.g.: interposition of non-woven fabric, shock pads of different nature, etc.);

4. TURF LAYING OPERATIONS

Before carrying out any operation of laying and laying the rolls, we invite you to scrupulously comply with the above points.

Any defect found in the products must be promptly reported to Safitex, by written communication to be carried out strictly before trimming and splicing the skins.

The unloading of the rolls in the construction site area must be carried out by trained technical personnel, with suitable means, and with scrupulous attention in order not to cause damage to the material and the substrate. Damage to rolls or other materials caused by improper handling cannot be attributed to Safitex.

It is necessary to store the materials used in such a way that they do not cause harm to people, to the environment or to the property of the construction site where you work.

The rolls must be laid following, where applicable, the plan of the coat. During the unrolling phase the sheets should not be stretched too much to not damage the backing of the mantle.

The trimming of the turf must be carried out with suitable equipment (cutters/ cutters with blades always well sharpened to be replaced if they no longer guarantee an adequate cut). Trimming must be done on both sides of the coat, with a precise and linear cut so that the sheets fit perfectly together.

The bonding of the rolls of synthetic grass must be done by turning the edges of the sheets to about 50 cm and laying under them suitable joint band, to be spread with special two-component glue specific for use. The preparation and application of the glue must take place in the manner provided by the manufacturer of the adhesive, the coating can be carried out with suitable hopper and/ or spatula toothed.

Once the edges of the mantle are joined, press to facilitate bonding in order to make the joints invisible, it is advisable for this operation to use a roller of about 20 kg.

After the laying of the mantle proceed to the tracing of the playing field with the inlay technique, then removing the strips of mantle laid and inserting the white stripes (or the expected color) having width appropriate to the sport required (follow the official regulations of the relevant Federations). The bonding of the new tracing must take place with a special junction band and two-component polyurethane glue as indicated above.

In multipurpose courts where there are several tracks (e.g. tennis/soccer) use different color markings and pay particular attention to the intersection points between the stripes.

5. INFILL APPLICATION AND FINAL BRUSHING

The infills to be used for filling synthetic surfaces must be specific to artificial grass systems. The nature, quantity and distribution of the same must not cause damage to the turf and must ensure the perfect functionality of the flooring over the years.

The inlays, certified for use in artificial turf fields, must be laid out uniformly by suitable equipment. Clogging must be carried out with a dry turf in favorable climatic conditions (temperature between 7°C and 30°C, dry, etc.). The sand infill must be laid in several passes taking care to use during the first application, hopper half load. The towing tractor shall drive at a constant speed not exceeding 2 km/h.

The coat should be brushed with suitable equipment, longitudinally and transversely with respect to the field over the entire surface until the coat is completely clogged. The brushing must ensure the lifting of any fibres trapped in the spread and the homogeneous distribution of the infill materials.

As imposed by the Football Federation, when the artificial mantle is finished it must never have a free fiber (portion of yarn without infill) greater than 15 mm, whatever the total height of the turf. This condition of use of the turf is particularly important for coats subject to particularly intense use.

Safitex, through its technical department, suggests quantities and types of infill for the perfect realization of the artificial grass system, having as a technical reference the requirements of the individual sports federations.

6. CLEANING AND WASTE MANAGEMENT ON SITE

Safitex Turf srl has implemented and maintains an Environmental Management System in compliance with the requirements of the UNI EN ISO 14001 standard and therefore pays the utmost attention to all environmental aspects within its factory with actions in line with its environmental policy.

Compliance of these behaviors is also required from the specialized companies of the installation of the turfs operating on behalf of SAFITEX.

For this purpose, companies specialized in the installation of coverings qualified by the manufacturer SAFITEX TURF are required to complete the following and attached form Mod.7.4.1-04_Questionario Posatori 2022 to be completed prior to the drafting and approval of the Contract for installation by the two interested parties.

SAFITEX	COMMUNICATION INSTALLERS QUESTIONNAIRE	MOD 7.4.1-04
---------	---	--------------

Dear Supplier and Outsourcer,

This document aims to help improve the management of environmental aspects in construction sites or assigned works, within the framework of continuous improvement of the Management System according to ISO 9001 and ISO 14001 (where applicable), in order to integrate the subcontracting specifications with you for the services provided to our Company.

We kindly ask you to read and sign the following Questionnaire, which completes and enhances the technical/quality agreements already signed. At the end, it includes your voluntary Environmental Declaration, highlighting your commitment, or confirming your adherence to our Environmental Policy available within the company.



Thanking you in advance for your valuable cooperation, we remain at your disposal for any clarification.

SUPPLIER COMPANY:		
DESCRIPTION OF WORKS AGREED WITH SAFITEX:		
CHEMICAL SUBSTANCES MANAGEMENT:		
Regulatory reference:	Requirement requested from suppliers:	Declaration:
REACH (REGULATION (EC) 1907/2006)	Declaration of responsibility for the use of any hazardous substances:	<ul style="list-style-type: none"> ▪ We confirm that the products supplied contain substances of very high concern (SVHC) as defined in the REACH Candidate List, in concentrations above 0.1% weight by weight (w/w), as such or in mixtures, and that are placed on the market, and provide relevant information to enable safe use and adequate management of environmental impacts. ▪ We confirm that the products supplied do NOT contain substances of very high concern (SVHC) as defined in the REACH Candidate List. ▪ We confirm that the products supplied do NOT contain substances of very high concern (SVHC) included in the latest update of the REACH Candidate List.
WASTE MANAGEMENT ON SITE:		
We confirm that we implement separate waste collection on site, proper and careful waste management, as required by SAFITEX at the start of works, in compliance with applicable regulations and reference standards, and including any SAFITEX procedures, the company's environmental policy, and any environmental safeguarding procedures.		<input type="checkbox"/> YES <input type="checkbox"/> NO
ENVIRONMENTAL DECLARATION		
As Suppliers and Outsourcers, we are committed to contributing with all necessary resources to the development and maintenance of the Environmental Vision of our client SAFITEX Srl. We are committed now and always to respect and protect the environment, involving all members of our company, through specific training on the environmental aspects of our business activities, and through continuous awareness.		
		Signature Company stamp

* Data used in accordance with Law 2016/679 (GDPR)

Rev. No.	FIRST ISSUE			
Revision Date:	OCTOBER 2022			/ /
Prepared by:	ROSSO ROSSA			

It is necessary to verify, during the opening phase of the site, the correct positioning of the waste collection areas, any containers for the transfer and segregated storage of the waste itself in the site area; in the presence of liquid chemical products, arrange containment/collection tanks in case of spillage.

Safitex defers to the Fitter the responsibility of inquiring about the correct positioning of the waste on site with the Client's Works Management, the storage of the same.

After the final laying and brushing phase, the installer will also take care of the following specific activities:

- Do not leave materials or containers with hazardous substances unattended, open;
- Restore the area where the work was carried out, taking care to clean the construction site areas from any waste generated by the activity;
- Separate waste generated by the activity by homogeneous categories (e.g., plastics, grass trimmings, empty glue containers, etc.)
- Close the glue containers used to transport them safely.

In particular, the contractor:

In possession of a transport authorization on his own account (during its period of validity) may transport the waste identified by the yard independently to the place of destination, after completing the waste identification form.

NOT in possession a transport authorization on its own account must contact an authorized transporter and consignee who will take the waste produced directly from the site and then start it up for recovery and/or disposal. Before giving the refusal, it will be necessary to verify the transport authorization and/or destiny of the companies selected for the conferral.

The Contractor must provide a copy of the Waste Form to Safitex to testify and evidence of the correct management of the same, or evidence of proper disposal of any waste (including MSW) as per applicable local regulations, also in self-certification on Contractor letterhead.

Safitex, committed to promoting environmental protection and compliance with environmental regulations, will verify compliance with the above through quality and environmental audits.

Specifically, copies of the forms related to waste transportation and disposal must be made available.

7. PHOTOGRAPHY DOCUMENTATION

The following images depict the stages of artificial grass installation.



8. APPENDIX A:

EXTRACT FROM THE REGULATIONS OF THE NATIONAL AMATEUR LEAGUE (L.N.D.) IN FORCE SINCE 28/11/2013 CONCERNING THE MAINTENANCE OF ARTIFICIAL TURF FIELDS

INTRODUCTION

The purpose of maintenance is to allow the Property Owner or Manager, on the one hand, to properly preserve the artificial turf football fields, and on the other hand, to maintain the approval issued by the National Amateur League (L.N.D.) through the rules and regulations set forth in the "L.N.D. Maintenance Manual." It should be noted that the maintenance program, as established in the L.N.D. Maintenance Manual, must be carried out directly by the system manufacturers or by companies with proven experience in the industry capable of maintaining the quality standards of the installed products. The Property Owner or Manager must provide a specific document, indicating the costs of both ordinary and extraordinary maintenance, starting from the design phase. Upon completion of the field, the Property Owner or Manager must sign a mandatory four-year contract and submit it to the L.N.D., duly signed and stamped by all parties. Therefore, it is necessary to include both the documentation and the cost of the aforementioned maintenance activity in the tender or in the purchase contract signed between private legal entities. The proper maintenance is considered of fundamental importance by the L.N.D. in order to:

- Obtain a warranty for the provided sports surface from the supplier;
- Ensure the longevity of the field over time;
- Maintain the performance characteristics of the surface unchanged over time;
- Ensure athlete safety;
- Maintain the field's approval.

The Property Owner or Manager must maintain appropriate documentation attesting to the correct and consistent execution of both ordinary and extraordinary maintenance plans as provided in this L.N.D. regulation.

The L.N.D. reserves the right to request, at any time, the exhibition of documentation from the Property Owner or Manager, attesting to the correct and consistent execution of maintenance activities, with the consequent right of the L.N.D. to revoke the approval if the Property Owner or Manager has not carried out the required ordinary and extraordinary maintenance of the field or has had it performed by unqualified companies.

Upon completion of the installation, the properly infilled artificial grass carpets generally require a period of five to seven weeks for the so-called "maturation," which involves the settlement of the infill and the stabilization of the fibers. During this period, the surface can and should be used without any limitations and across the entire playing area.

ORDINARY MAINTENANCE

Ordinary maintenance, carried out by the Property Owner or Manager, ensures that the performance infill material remains evenly distributed and aerated on the playing field. In fact, an imperfectly homogeneous distribution of the infill could compromise the field's performance and the safety of the athletes. Therefore, the infill material on the playing surface must always be resettled and/or restored in specific areas (such as penalty areas, midfield, and near the corner flags, in particular).

Ordinary maintenance, to be carried out weekly, should include the following interventions:

- Inspection and removal of any present dirt or debris;
- Brushing of the playing surface using appropriate equipment to maintain a consistent playing surface throughout the field;
- Checking the areas with the highest runoff of rainwater;
- If necessary, replenishing infill materials in the areas where they are lacking, including the use of recovered infill from channels, wells, and residual snow removal.

To fulfill these tasks, the Property Owner or Manager must purchase the necessary tools, equipment, and machinery and ensure that the maintenance staff participates in a training course conducted by specialized technicians from the equipment supplier.

EXTRAORDINARY MAINTENANCE

Extraordinary maintenance, which lasts approximately one day, must be carried out at least twice a year, once in the February/March period and once in the October/November period. It should be performed by specialized technicians from the system manufacturer or by companies with proven experience in the field, capable of maintaining the quality standards of the installed products. During extraordinary maintenance operations, the field cannot be used for the entire day.

Extraordinary maintenance includes the following interventions:

- Thorough removal of the infill material and deep brushing of the turf using suitable equipment;
- Accurate inspection of all seam joints and necessary repairs;
- Thorough inspection of drainage and irrigation systems to ensure their perfect efficiency;
- Detailed examination of any irregularities in the flatness (bumps and depressions) to restore and regularize the playing surface;
- Potential integration of the infill material, especially for turfs that use infills composed of natural vegetable fibers, to regularize the flatness of the playing surface and ensure the performance of the field. The material to be integrated (to be accounted for separately) is approximately:

(i) 5,000 kg for organic infill, equivalent to 6 big bags with an approximate cost of €3,800.00, to which transportation costs must be added.

(ii) 2,400 kg for rubber infill, equivalent to 2 big bags with an approximate cost of €1,500.00, to which transportation costs must be added.

OPERATIONAL PROCEDURES FOR BRUSHING

Brushing operations should be performed using appropriate equipment, both longitudinally and transversely across the field's entire surface, to maintain the artificial turf system in optimal conditions.

Brushing should involve lifting any trapped fibers in the infill material and redistributing the infill materials evenly, using a brush with well-defined characteristics (see photos in the manual). The LND advises against using brushes with metal bristles, as metal bristles can damage the fibers. The LND recommends minimizing the use of mechanical brushing machines when the ambient temperature exceeds 30°C or drops below 5°C. It is also recommended to use the brushing machine with the exhaust pipe of the hot gases not directed towards the playing surface. The LND reminds users to check that any motorized equipment used on the turf does not have oil leaks, grease leaks, transmission fluid leaks, etc., as any leaks can irreversibly damage the fibers, and it should have "garden"-type tires.

USE AND MAINTENANCE OF THE PLAYING FIELD

Essential precautions for the correct use and maintenance of the playing field include, but are not limited to:

- a. Prohibit the use of bladed cleats or spiked athletic shoes.
- b. Keep the surface free from any foreign materials such as paper, leaves, cigarette butts, chewing gum, food remnants, and general waste.
- c. Schedule regular watering and/or irrigation cycles to keep the fibers clean, prevent dust buildup, maintain a moderate ground temperature, and ensure the necessary moisture percentage in the performance infill composed of natural vegetable fibers during periods of low or no rainfall.
- d. Avoid driving vehicles or heavy machinery on the playing surface.
- e. Avoid leaving heavy materials or parking vehicles on the playing surface for extended periods.
- f. Do not dispose of lit cigarettes, flares, or flammable, acidic, or abrasive products.
- a. Do not use products intended for marking lines on natural grass fields, such as chalk, spray paint, or any other chemically aggressive product for polyethylene. Use only specific products for synthetic turf fields duly authorized by the turf manufacturer.
- b. Do not obstruct drainage channels with carpets or other materials, and keep them free from soil, mud, moss, weeds, and any foreign materials to the synthetic turf.
- c. Use suitable maintenance and cleaning materials and equipment.
- d. Strictly enforce a no-smoking policy within the playing enclosure.
- e. Do not use the playing surface for events such as shows, concerts, campsites, fairs, markets, parking, refreshments, or any activities other than soccer and/or other sports activities, such as school physical education and physical preparation for athletes from other disciplines. If such events are authorized, they should be carried out in a manner that does not harm the playing surface. In any case, LND encourages the Property or the Manager to contact the system manufacturer before authorizing non-soccer events. Any damages resulting from inappropriate use of the artificial turf cannot be covered by the warranty, which will automatically expire.

USE OF VEHICLES

Fields are designed to allow vehicles to pass over the surface without causing damage, provided the following recommendations are followed:

- a) Only use transportation vehicles specifically approved by the system manufacturer.
- b) Approved vehicles should be equipped with specific, preferably clean tires, and the operator should change direction using wide turning radii only.
- c) Only slow-moving vehicles are allowed.
- d) Avoid sudden braking and rapid acceleration.
- e) Check for oil or hydraulic fluid leaks from all vehicles driven on the field.
- f) To prevent damage to the infill material and sub-base, vehicles should be used on the field when it is wet.

CLEANING

Most "stains" that may appear on the turf can be removed with water or water and soap, but the cleaning should be done as quickly as possible once the stain becomes noticeable. For oil-based stains, follow the instructions provided in the LND maintenance manual for cleaning metals, oil, diesel, paraffin wax, tar, etc.

General residue stains, i.e., substances used, consumed, or dispersed by users, such as food or beverages, blood, or other bodily fluids, can be removed with household detergents. When washing the turf with water and soap or mild detergent, it is advisable to rinse with abundant water to remove any excess soap or detergent and brush the area with suitable equipment.

SAFITEX ADDITIONAL NOTE:

For cleaning, it is highly recommended to use ECOLABEL or similar environmentally friendly detergents and soaps with technical and safety data sheets that guarantee compatibility with the turf and subsoil. If required by local regulations (to be verified by the Contractor), the use of such products becomes mandatory.

If technically not applicable due to the presence of "stubborn" stains that resist these eco-friendly detergents/soaps, inform Safitex of this need, and they can assist you in analyzing the causes and finding a solution while respecting the environment above and below the surface.

In the case of weed growth within the system, foliar-absorbing herbicides can be used, following the guidelines for the use of these products, within the limits set by local regulations, and presenting the product's technical data sheet to the Client before use. Disinfect the playing field within the field's enclosure at least once a month.

Snow and ice generally do not damage artificial turf surfaces, so it is sufficient to wait for the snow to melt. In the case of ice, it is recommended to break the ice sheets.

However, it is advisable to remove snow as soon as possible to prevent accumulation, using a small, lightweight, non-spiked rubber-tired tractor. The tractor should be equipped solely with rubber blades that skim the surface (1 cm above the turf). Do not use wooden, metal, or any other rigid blades.

Due to condensation, covers can freeze and stick to the artificial turf, so it is advisable to remove them ahead of time before a scheduled sporting event or a significant drop in temperature expected in the 3-4 days prior to the sporting event, to avoid causing irreparable damage to the artificial turf.

In the case of excessive ice buildup, the only advisable solution is to use chemical products. If there is too much ice on the surface, spread anti-freeze salt and wait for the ice to naturally melt, removing the residue from the surface as soon as weather conditions permit.

9. APPENDIX B: CONSTRUCTION OF TENNIS & PADDLE COURTS

SUB-BASE

It is of fundamental importance that the sub-base on which the synthetic turf will be laid is absolutely level, compact, and free of any irregularities. The supporting plane of the turf must not have any irregularities that could cause irregular ball bounce or inconsistent performance once the synthetic turf is installed.

Variations in the upper plane greater than 5 mm +/- over a length of 3 meters are not allowed, and the sub-base must be firm, compact, and non-yielding.

The finishing of the sub-base should provide good grip to the back of the synthetic turf to prevent any surface movement once the turf is used for PADDLE. Perfectly smooth surfaces are suitable, but they could compromise the stability of the synthetic carpet over time (horizontal movement of the turf).

INSTALLATION OF THE TURF

In addition to the instructions provided in the "User and Maintenance Manual," the following is recommended:

Strict adherence to the instructions contained in the "Installation Plan" prepared by SAFITEX TURF (arrangement of rolls, quantities of adhesive and seaming tape, creation of playing lines, etc.).

Creation of "Seams between the rolls" The panels must be perfectly joined, and particular attention should be given to their alignment. The specific adhesive should be evenly and linearly distributed, avoiding material accumulations that, once hardened, could create problematic thickness for the turf's playing performance.

Do not install in temperatures below 10°C and above 35°C and in unfavorable weather conditions.

If the installation is carried out in a "covered" facility, it is possible to proceed with slightly colder temperatures as long as a heating system is active, and the synthetic turf has been opened and laid on the sub-base for at least 24 hours.

Before infilling the turf, repeated brushing in different directions is necessary to prepare the yarn to receive the sand (of quality and particle size as specified in the Product Technical Sheet).

Respect the infill quantity and distribute it with particular accuracy, in repeated passes, ensuring that the sand is evenly distributed.

It is strongly advised not to infill immediately after completing the seam bonding: at least 24 hours should pass before distributing the infill. It is important to ensure that the synthetic turf is adequately filled with sand and that the "unfilled yarn portion" is minimal to achieve:

- i. Perfect surface stability
- ii. Desired playing performance
- iii. Reduced wear of the synthetic turf.

ENVIRONMENTAL ASPECTS

The same considerations expressed in § 8 and earlier sections apply.

OTHER RECOMMENDATIONS

Regarding:

- Unloading the rolls from the vehicle;
- Storage of synthetic turf rolls on-site;

Particular attention is recommended as the material is particularly sensitive and susceptible to damage if the rolls are lifted improperly (e.g., using forklift forks, overly tight transport straps, loading placed on top of the rolls, storing the turf in a dirty and/or uneven area, overlapping multiple rolls, etc.).

SURFACE MAINTENANCE

Refer to the instructions in the "User and Maintenance Manual," particularly:

- Manual and mechanical brushing,
- Periodic decompaction of the infill sand,
- Removal of leaves, seeds, and other organic debris,
- Ensuring athletes wear appropriate footwear that does not damage the surface,
- Application of anti-vegetative products,
- Frequent inspections of the surface to identify any objects/residues that could compromise the quality of the synthetic turf (e.g., metallic objects, chewing gum, plastic bottles, etc.).

MISCELLANEOUS

During the court design phase, it is important to verify that there are no objects or structures that could directly or indirectly affect the durability and function of the synthetic turf (e.g., glass refraction, heat accumulation, metal parts rubbing against the turf, etc.).

The installation of the turf should take place after the completion of all metal structures and, if present, the roofing: no mechanical equipment should pass over the synthetic surface to maintain its performance quality and avoid potential damage.