



NXTPLAY

SUSTAINABLE. PLAYABLE. RELIABLE.

INSTALLATION GUIDE

General Information

Disclaimer

These guidelines are provided for informational purposes only. Shaw Sports Turf does not accept any liability for the design or construction of any facility or base construction, as a result of, or in connection with, any information provided in this document.

Pad Properties

Length	ft.	120
Width	ft.	12
Thickness*	mm	16
Density*	lb./cu.ft.	10
Roll Weight	lb.	800

**Except where noted as minimum or maximum, the above specifications are nominal.*

Sub-Base Recommendations

Consult the Project Architect/Engineer (A/E) for sub-base requirements and/or intended design. Shaw's pad system is intended to be installed on a solid foundation. Prior to installation, Shaw suggests the sub-base be inspected and measured to assure that the entire surface meets the A/E's desired specification. Shaw suggests the sub-base finished surface measures within a tolerance of 1/4" across 10'-0" in any direction, of the intended design, to be suitable for product application.

Pre-Installation

Weather Conditions: For best results, installation should be performed during dry conditions with temperatures above freezing.

Tools and Sundries Needed: Utility blades may be used to cut the material. However, for best results, Shaw recommends the use of an electric, rotary cutting tool. An industrial strength tape, no less than 4" in width, is required for installation. For best results, use a tape from the approved tape reference list or equivalent - see annex.

Equipment: Shaw recommends limiting the use of heavy equipment and avoiding any unnecessary, long-term periods of static load. When in use, equipment must be operated with extreme caution since sudden stops or sharp turns could result in damaging the material. In high traffic areas additional precautions may be needed to disperse the load and protect the material from damage.

Unloading: For best results, a carpet pole attachment is recommended.
(Note: Inserting a fork into a roll can result in permanent damage to the material.)

Storage: All Rolls are individually wrapped in a protective plastic. Indoor storage is recommended, but not required. Shaw recommends keeping the rolls wrapped until installation. Store the rolls horizontally, but refrain from stacking the rolls more than (3) rolls high.

Installation

Layout Pattern: The material is to be installed, singed side up, in the same direction as the synthetic turf panels of the main playing surface, or body, of the field (fig.1). If you have any questions or concerns with a specific layout pattern, please consult with a Shaw Sports Turf representative. Exemplary layouts are proposed herein to ensure that both head seams and longitudinal seams don't line up with turf seams, or with themselves. Assessment of the field boundaries and turf perimeter will determine the pad installation layout.

Layout 1: Focus on reduction of waste material.

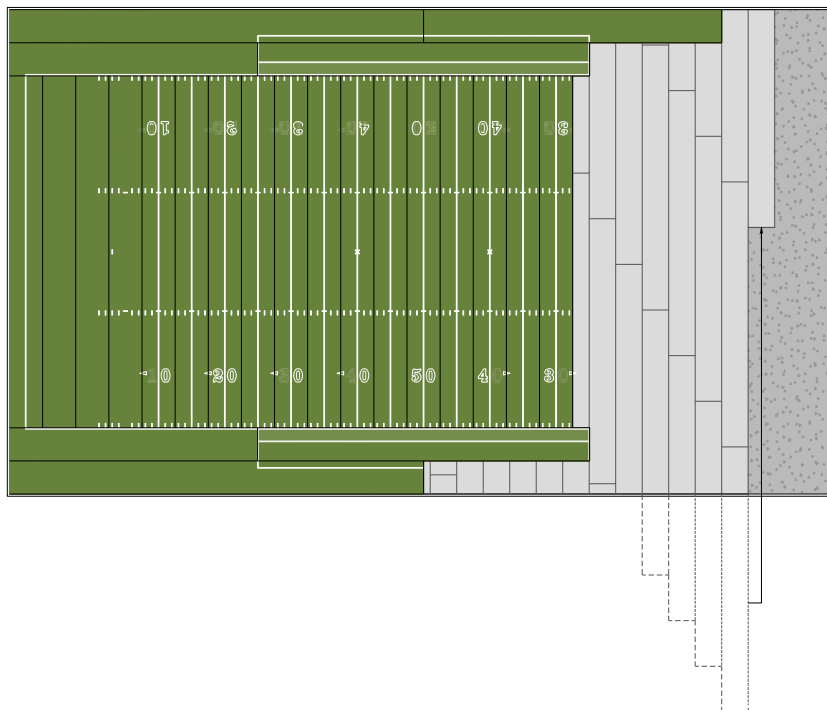


Fig. 1

Layout 2: Focus on reduction in installation time.



Fig. 2

Installation

Layout 3: Focus on removing head seams from the spine of the field.



Fig. 3

Starting Point: Determine the location of a turf panel seam. Measure 18" to either side and use this as a starting point for the pad installation (fig.2). This will help avoid any turf seams aligning with pad seams during installation.

Installation: Observe each roll prior to unrolling. If a roll is visibly damaged, set to the side for later use. Prior to loading a roll on equipment for installation, verify that the "singed" side will face up when unrolled. Once a roll has been unrolled, observe the end of the roll closest to the core. This end of the roll may retain memory, resulting in a "curl". If this is the case, first, hand-roll a small portion of the material in the opposite direction of the "curl" to retrain the material to lay flat. Second, trim off any material that can not be retrained to lay flat. Cuts within the interior of the field (aka: head seams) shall be at a 90 degree angle to ensure the panels are square and should be no less than 4' apart on an adjacent row (fig.2). Head seams should be dry and clear of debris, prior to being taped, for better adhesion. Taping the longer edge between the panels is NOT required. All head seams and edges should be square and tight with no more than 1/4" gap. Overlapping or "shelving" edges shall be avoided. Any alignment issues should be resolved prior to installing the next row of material.



Installation

Continue with the methods described above until the entire surface is covered. Lastly, inspect the surface perimeter. Trim any excess material while leaving a $\frac{1}{4}$ " gap between the pad and the turf attachment point (fig. 4). The pad perimeter edge SHALL NOT be fastened. The pad surface shall be flush with the top of the turf attachment point (fig. 5).

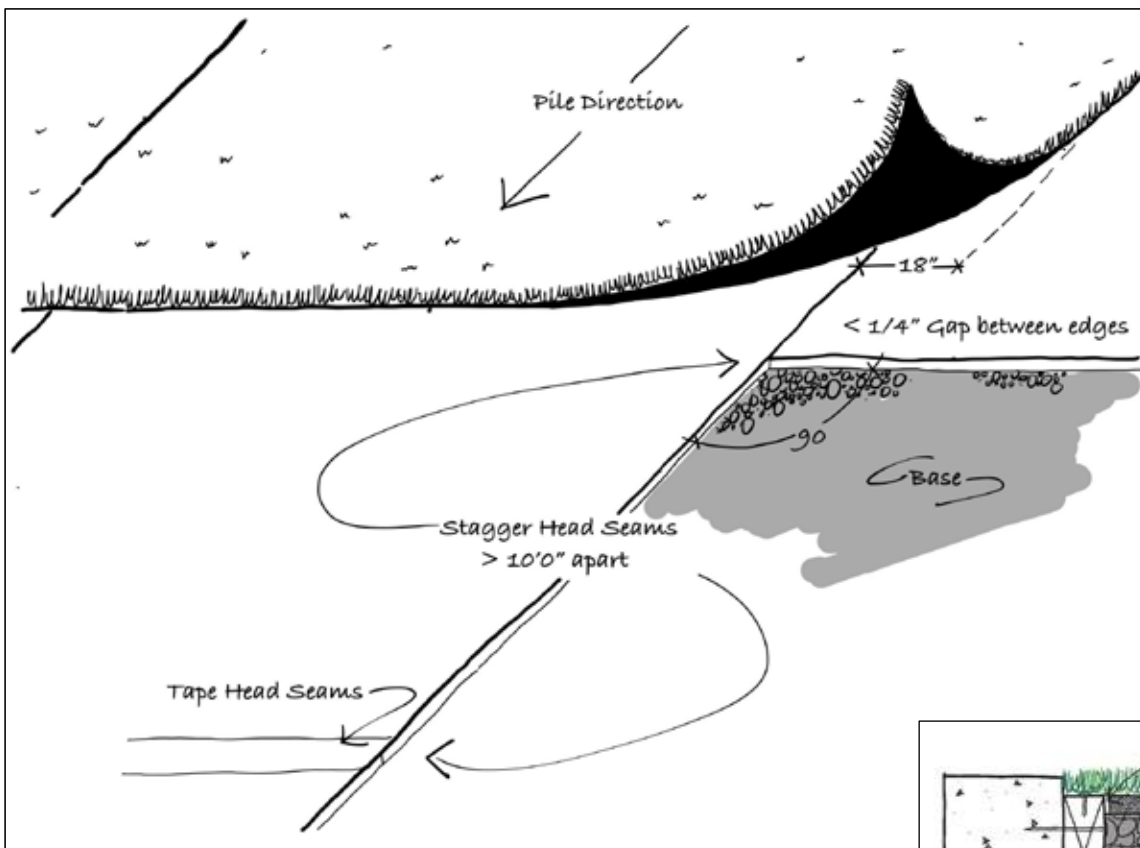


Fig. 4

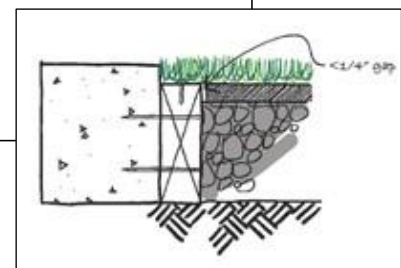


Fig. 5

Repairs: Prior to beginning turf installation, conduct a final walk of the pad surface. Observe any areas that may be in need of repair. If an area is found to be in need of repair, cut and remove the affected section(s). Removed sections should be no smaller than 12" x 12". Insert a clean patch and tape all edges.

Do's and Don'ts

Do's



Don'ts



Approved Tape Reference List

Installation of NXTPlay™ Pad requires the head seams to be taped with an adhesive tape. This document intends to provide a list of approved and recommended tapes, as well as some performance criteria to validate that a product not listed herein is equivalent. The adhesive tape products below are recommended for NXTPlay™ Pad installation. The criteria used consists of performance for tack and shear. Tack is measured using the ASTM D3121-17 method and quantifies “how sticky” a given tape adhesive is. Shear is measured using the internal protocol Shaw Shear Test for PSAs and measures how strong the bond is between the tape, the adhesive, and the pad relative to linear movement. Tapes used for pad seaming should be at least 4 in. wide.

LIST OF APPROVED PRODUCTS FOR PAD SEAMING			
Preference Ranking	Tape Manufacturer	Product Name	Sold at
1	King	S080	King Sports
2	King	S100	King Sports
3	Duck Brand Duct Tape	Duct Tape	Big Box Stores
4	Shur Tape Duct Tape	Shurtape	Shurtape
Last revised on 04/01/2020			

Infill Requirements for Gmax Limit

To achieve an impact attenuation of the original synthetic turf field system-as initially installed over the NXTPlay™ Pad- below 135 (Gmax) (as per ASTM F355 A-missile) under field and environmental conditions as stated in the warranty, follow the specific infill details below:

LIST OF APPROVED INFILLS			
Infill Type	Amount (PPSF)	Turf Pile Height (inches)	Installation Method
SBR Recycled Rubber (10-20 mesh size)	≥1.9	Any	Any, not specified
Geofill, or other comparable infill	≥0.75	2"	Installed in five layers (bottom-top): 0.25 PPSF Geofill, 4 PPSF sand, 0.25 PPSF Geofill, 4 PPSF sand, 0.25 PPSF Geofill. See Geofill Installation Guide for more information.

SBR = styrene butyl rubber; PPSF = pounds per square foot

Last revised on 04/25/2025

*Reasonable care has been taken in the preparation of this information, including the review and incorporation of supplier provided information. As such, Shaw makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. Shaw makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given.