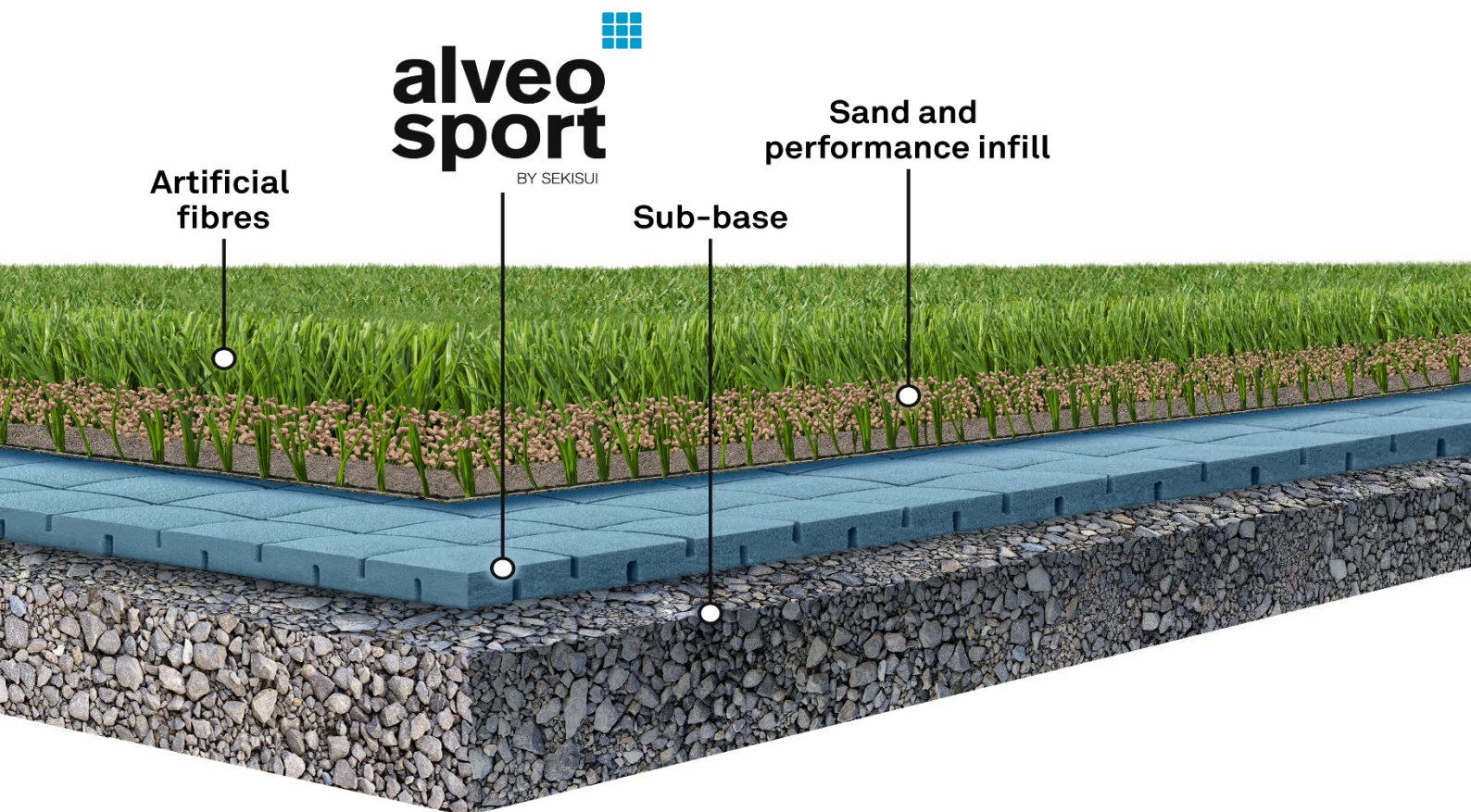


Installation guide



Document version: 21.03.2022

Installation guide content

1. General information	3
2. Equipment requirements.....	3
3. Preparation of the sub-base	4
4. Installation of Alveosport.....	5
4.1. Taping.....	7
4.2. Cutting.....	7
5. Installation of the artificial turf carpet.....	8
6. Remarks.....	9

1. General information

Material

Alveosport is made of physically cross-linked closed cell polyolefin foam by Sekisui Alveo.

Application

Alveosport is a patented shock pad which is specifically designed for synthetic turf systems.

Alveosport can be installed fast and easy

- > Installation can be done in one day under almost any weather condition.
- > Dimensional stability even at fluctuating temperatures due to patented design.
- > Neither special machinery nor specially trained personnel is required.

Nevertheless, a poor installation, even with the best components like Alveosport, finally will reduce the performance and lifetime of the synthetic turf system.

To ensure good quality of installation and best system performance over complete lifetime, please follow this guide.

For technical support, please contact info@alveosport.com or your local Sekisui Alveo sales representative.

Disclaimer

This document contains tips for the installation of Alveosport shock pad, collected over years of experience. No legal responsibility is accepted for the herein contained recommendations.

2. Equipment requirements

For unloading

Thanks to the light weight of the rolls, the on-site handling of Alveosport is easy and comfortable. The rolls can be manually unloaded from the truck and rolled to the pitch. Transportation with a forklift is also possible but not necessary.

For installation

The Alveosport shock pad layers have to be connected with the adhesive tape which is delivered together with the shock pad by Sekisui Alveo.

The usage of a suitable tape roller (see image 6) is recommended (e.g. "611A Tape Roller" by Henko).

We recommend using a knife with a straight blade, but a knife with a hook blade can be used as well.

3. Preparation of the sub-base

Alveosport can be installed directly on a smooth levelled unbounded sub-base of stone, gravel or concrete, or asphalt. A non-woven in between sub-base and shock pad is not needed. Connecting the foam to the sub-base is not necessary.



Image 1: Alveosport laid directly on smooth levelled sub-base

A typical composition of a stone or gravel sub-base on which Alveosport can be installed:

Mixture of particle size

0-0.125 mm	= ~ 10%
0.125 - 2 mm	= ~ 20%
2-8 mm	= ~ 60%
8-16 mm	= ~ 10%

4. Installation of Alveosport

The most efficient way to install Alveosport is in the same direction as the synthetic turf carpet, and in cross direction of the full size pitch. With this method, wind influence and material offcut is minimised.

Before starting to install the first Alveosport roll, please consider the following recommendations:

- > If possible, install Alveosport in the same direction as the wind (see flag in image 2).
- > If needed, put load on the sides of the shock pad and the carpet (see image 4).
- > Alveosport should overlap 15-20 cm outside the pitch boarder.
- > Avoid stretching the product during installation to prevent "shrinkage" of Alveosport during the installation of the system.

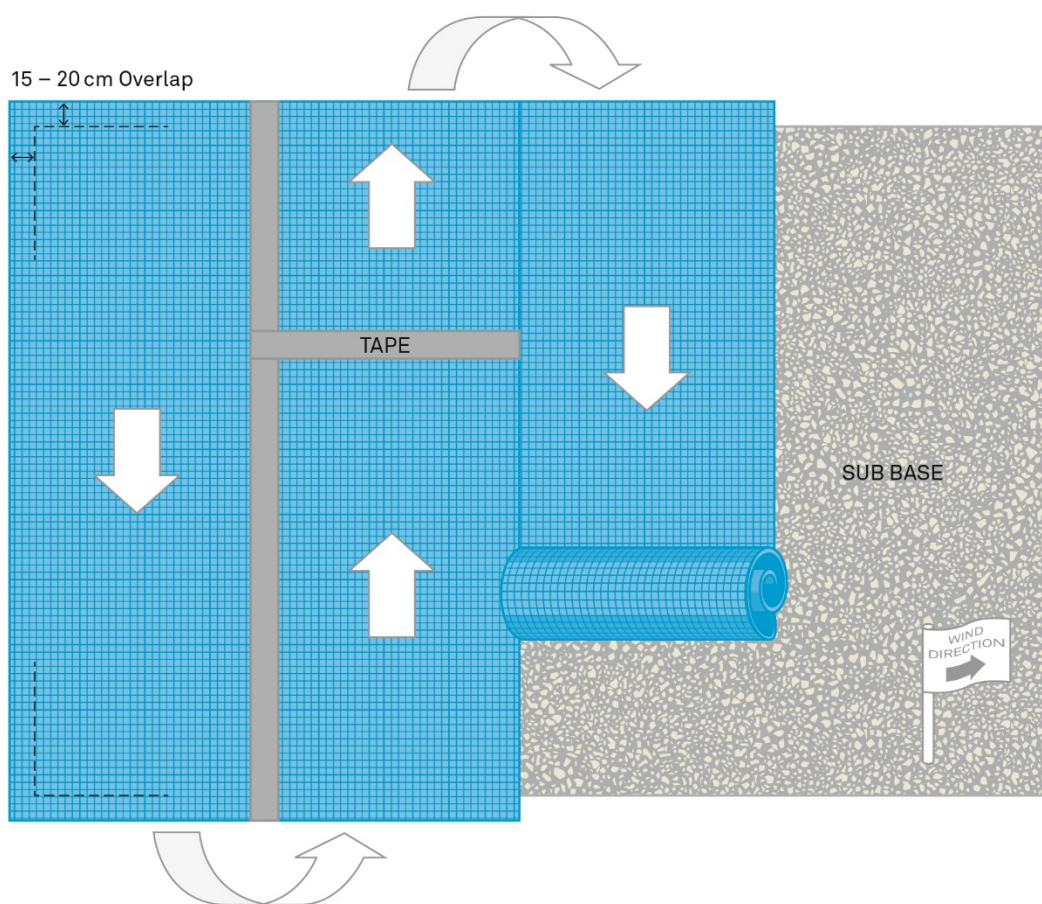


Image 2: Installation in cross direction of the pitch

The first roll is installed from side to side and has to be turned to install the next lane in the opposite direction.

Use the supplied adhesive tape to connect the Alveosport lanes next to each other as well as at the end of each roll to continue with the next one (see chapter 4.1 Taping).

According to this procedure, install **minimum 3 lanes** of Alveosport next to each other without any fixation to the sub-base. Start covering the shock pad as soon as possible with the synthetic turf carpet (see chapter 5). Having more than 5 uncovered lanes of Alveosport is not recommended.

Due to the roll width of 1.95 m an overlap of seams between Alveosport and the synthetic turf carpet is reduced to the minimum.

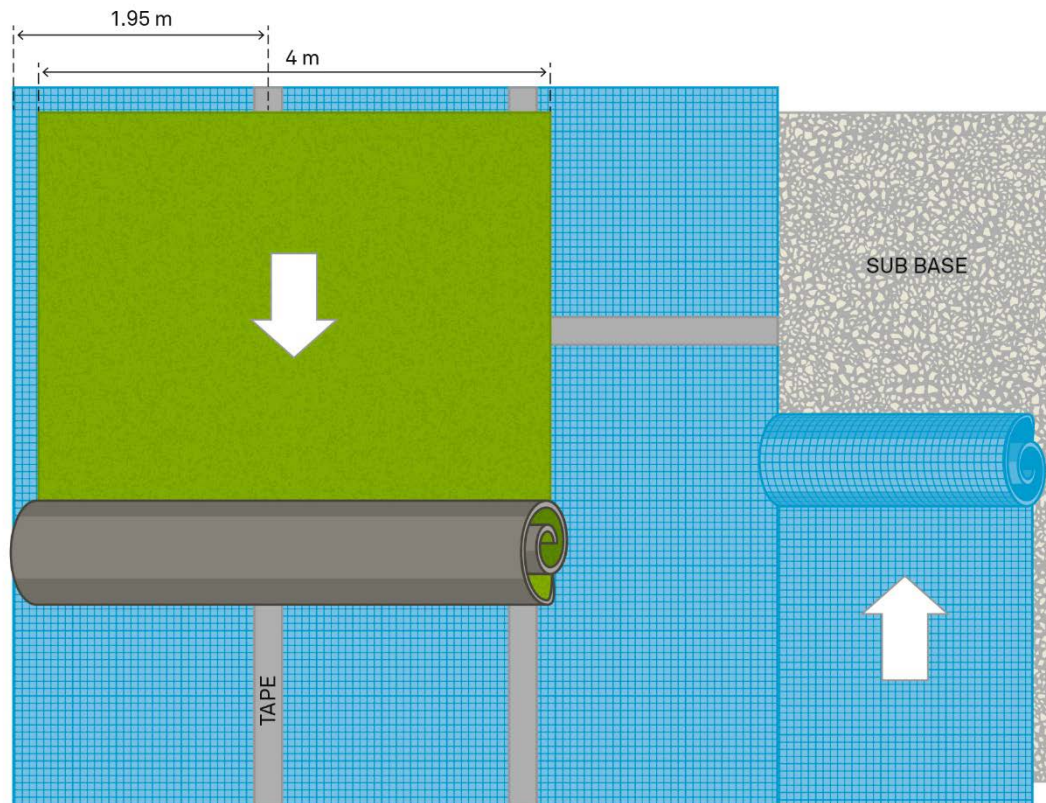


Image 3: roll out of synthetic turf carpet



Image 4: load on the side of shock pad and carpet to protect from wind

4.1. Taping

Connect the foam sides in both length and cross direction with the delivered adhesive tape. It is recommended to use the special tape roller which makes taping very easy and efficient.



Image 5: connecting the Alveosport lanes



Image 6: Usage of a special tape roller for more efficiency

In case the Alveosport has to be installed during wet or foggy conditions, dry the Alveosport foam layer in the area of the seams as good as possible to ensure the adhesion of the tape to the foam.

4.2. Cutting

Cut the Alveosport at the sides of the pitch with minimum 15-20 cm overlap (image 7). This overlap is to compensate for possible movement and shrinkage during the installation of the other components on top of Alveosport.

After the installation of the synthetic turf carpet, sand and performance infill, the shock pad has to be cut close to the pitch border (image 8).



Image 7: 15-20 cm overlap



Image 8: cutting close to the pitch boarder

5. Installation of the artificial turf carpet

After the installation of minimum 3 and maximum 5 lanes of Alveosport, the synthetic turf can be installed on top of Alveosport.

This can be done by different methods:

- > Manually
- > Using a winch
- > Using a small tractor
- > Other methods



Image 9: manually



Image 10: using a winch



Image 11: using a small tractor



Image 12: other methods

6. Remarks

During the installation of Alveosport and the laying and filling of the synthetic turf carpet, it is allowed to drive on Alveosport with commonly used installation equipment. The maximum temporary pressure that may be applied on the Alveosport shock pad is 500 kPa.

It is not allowed to park installation equipment or vehicles on Alveosport for any period of time.



Image 13 & 14: Installation equipment on Alveosport during installation

Sekisui Alveo is member of the following associations:



Alveosport® is a registered trademark of Sekisui Alveo AG. The information contained herein is correct to the best of our knowledge and is given in good faith. © Sekisui Alveo AG, Adligenswil, Switzerland.