

## Installation Kidsplay areas

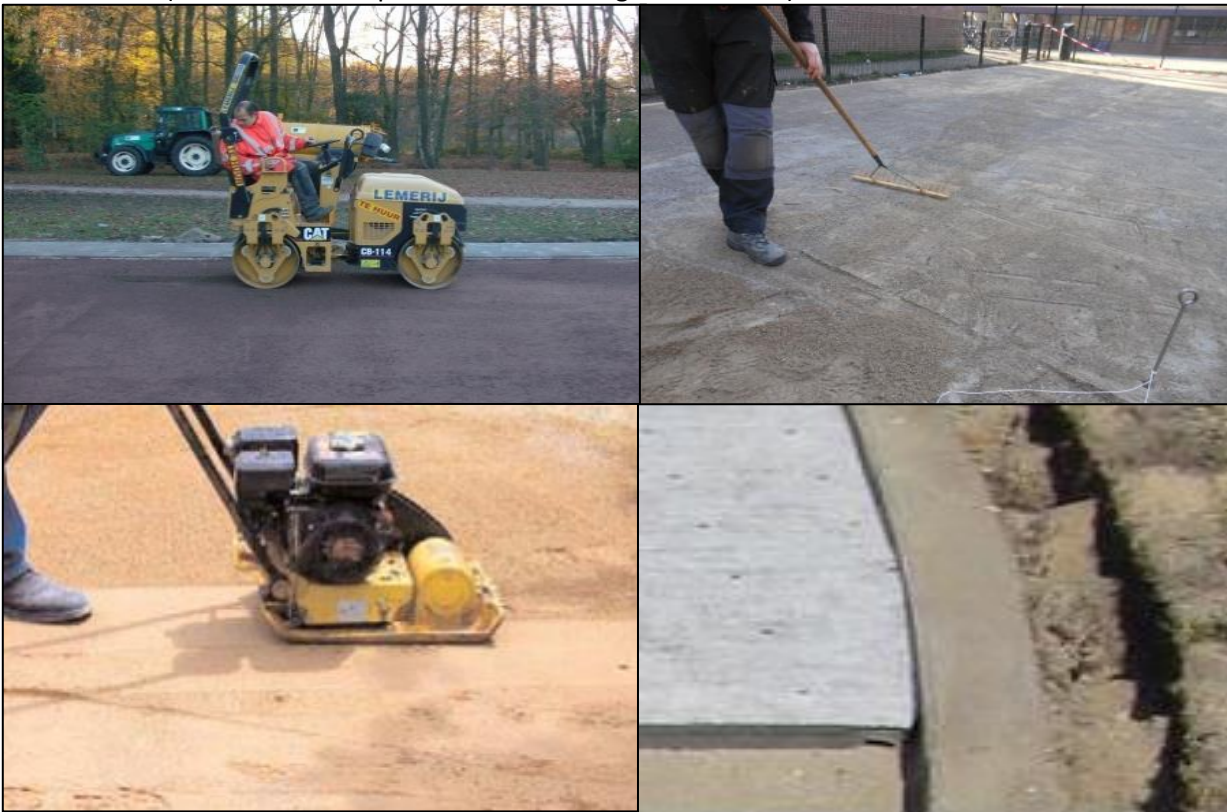
### Sub base preparation

A kidsplay area must be flat, compacted and well drainable.

Our shock-pad systems can be installed directly on sand, granulate, asphalt.

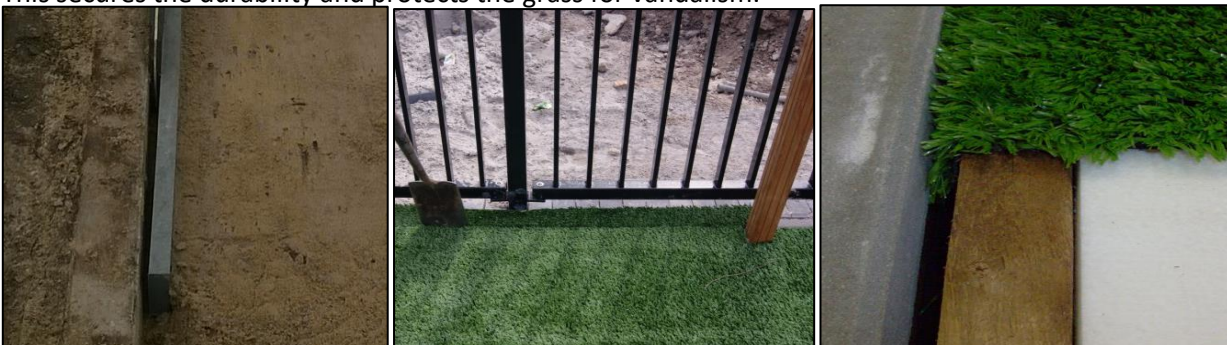
Please be aware that, depending on the required thickness of the shock-pad the sub base must be levelled correctly.

So when you need 40mm shock-pads the sub base must be prepared on +/- 55mm below the normal level. (so 40mm for the pads and 15mm for grass and infill)



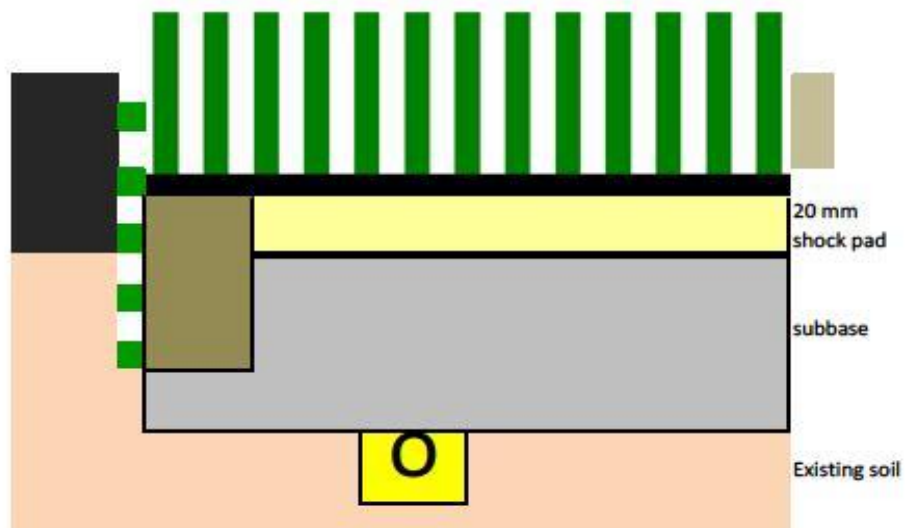
### Possibilities for grass fixation









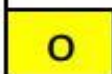
After checking the sub base we will start with the installation of composite/ wooden strips, or concrete so that the edges of the grass can be fixated properly. (same height as the shock-pad)  
This secures the durability and protects the grass for vandalism.



Fixation of the grass

# fivestargrass

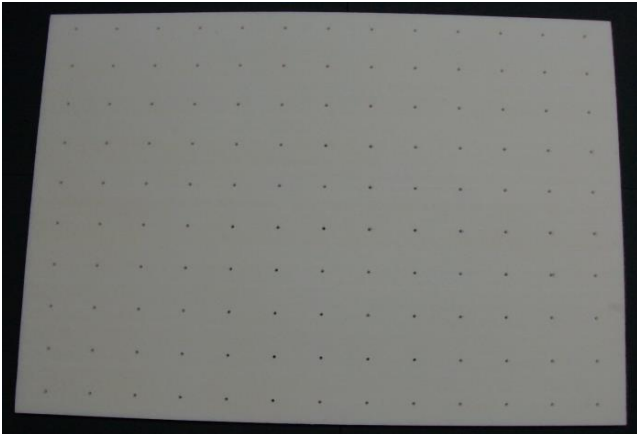


-  20 mm shock pad
-  layer of crushed stones, concrete or drainage sand
-  Existing soil / prepared soil
-  Height of the infill materials. (sand / Rubber)
-  Grass
-  grass folded between concrete links
-  Concrete side stone/link
-  Concrete, wood or composite side/link
-  Drainage system

Approx. 1cm of grass, will stick out of the normal height/pavement, for a more natural look

## **Installation of the fivestargrass shock-pads**

Fivestargrass shock-pads are very easy to install. Each pad has a dimension of 2m x 1,5m x 20mm or 2m x 1,5m x 30mm. Shock-pads can be installed directly on the prepared sub base. 2 layers of shock-pads must be installed brick wise and can be connected with hook-tape.



**Shock-pad 2m x 1,5m x 30mm**



**2 layers installed brick wise**



**Obstacles can be cut out of the shock-pads easily**

Please pay attention that the shock-pad and the strips are on the same level for the fixation of the grass, so that these are not visible after the installation of the grass.



**Shock-pad and fixation strip on the same level**



**Final result shock-pad installation**



## **Installation of Fivestargrass**

The rolls of grass must be installed in the same direction (yarn direction)

Roll out the required amount of grass with some (at least 10cm) overlap on the sides. (fixation)

Every side of the grass (which has to be glued together) must be clean cut.

The best way is to cut off the first row of stitches and when necessary, the side flaps of the roll (Check every side of the roll to be sure that it is straight ).



**Clean cutting of the sides**



**Roll out every roll in the same direction**

After the clean cutting and the positioning of the rolls with approx. 2mm space between each roll, the grass can be flapped back and the glue-tape or hook-tape (for Kidsplay extra) can be rolled out. Bring on the glue to the glue tape and push the rolls of grass (both sides at once) carefully on the glue tape, so that non of the yarns come in contact with the glue. In case of the Kidsplay extra, the grass can be pushed on the hook-tape. (so without glue, but glue is also possible)



**1 component glue on the glue-tape**



**2 Component glue on the glue-tape**



**Double sided hook-tape on shock-pad**



**Connection of 2 grass rolls Kidsplay extra**



Around obstacles it is recommendable to fixate the grass extra with some glue  
After the gluing put some weight on the seams for a good connection between grass and tape.



**Extra fixation around obstacles**



**Sand bags on the seams**

After the installation the grass has to be filled in with sand. (infill according the certificates)  
First brush-up the yarns so that the infill is much easier and goes directly to the bottom of the grass. For this job you can use a brushing machine and a sand-disperser for a professional result.



**Brushing-up the yarns**



**Filling in the sand**

Fixation of the edges will finalize the installation  
With a shovel the grass can be pushed down between a concrete link and the composite or wooden strip



**Pushing down the grass between the strips**

## All other important Remarks

Weather conditions:	During the installation of the grass it must be dry to secure a proper curing time of the binder. The temperature must be > 7 degrees Celcius Regarding the infill sand it must be dry as well for the best results
Curing time:	After the installation of the area it will take approx. 24 hours before the area can be used. It is therefore wise to secure the area with fences for 1 day to prevent that, animals or children will walk over the surface.
Influence of moisture:	When the surface is getting wet after installation this won't be a problem, it will only speed-up the curing time.
Grass surface:	Mostly for outdoor applications. For indoor we recommend a special quality
Defects:	When a play area is damaged by vandalism, the spots can be cut out and replaced by a new piece of grass. (Often a different color is used to avoid color-differences due to tear and wear).
Maintenance and quality check	The quantity and quality of the infill is important to secure the required HIC value. Lack of maintenance will result in a less elastic top layer (pollutions of weeds, algae) Furthermore we like to underline, that extreme weather conditions (heat, cold ) may result in a deviating fall height.
Maintenance	Maintaining a Kidsplay safety floor is fairly simple. The most important tasks are the removal of organic material and garbage. Cleaning can be done with a leave blower or brushing machine. Furthermore it is important to check the infill level (and fill in some extra sand when necessary).
Questions	When something is not clear or when any questions occur before or during an installation, please do not hesitate to contact us. T: +31 742592191 E: <a href="mailto:info@fivestargrass.nl">info@fivestargrass.nl</a>