

## Installation Instruction Visual System Outdoor

### Storage of EUROFLEX® products and glue

EUROFLEX-Products should generally be stored in dry, evenly tempered rooms at temperatures above 10 ° C. If, in individual cases, the products have been stored at temperatures below 10 ° C, they should be with you at least 2 hours before installation. Acclimatize to the ambient temperature of the installation site above 10 ° C. Important note: adhesives and the design flooring must be dry and dry at all times be stored frost-free.

### Tools and materials required

**Cut:** heavy-duty cutting knife (Hooked blades for the covering), pad saw, T-square for cutting assistance, carpet ruler



**Marking:** alignment or chalk line, chalk, etc., tape measure



**Gluing:** Crepe tape, drill with stirring attachment for processing the 2-component PU adhesive, Notched trowel TKB B2, work gloves



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## Installation Design flooring pressure roller, pressure roller, rub-on cork



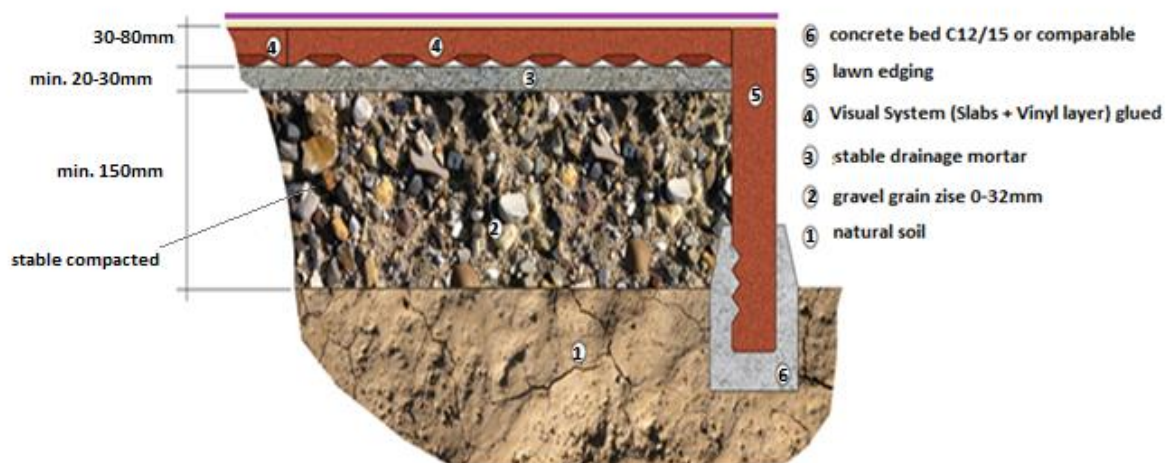
## Subsurface

There are different options depending on the project.

1. Base layer consisting of a stable drainage screed, drainage concrete or drainage screed (p. 2-13)
2. Existing substrate made of concrete, concrete blocks or asphalt (p.14-22)

Products from Eska-Drain, for example, can be used as drainage screed  
<http://www.eska-drain.de/> from the company Sopro <https://www.sopro.com>  
 or comparable can be used.

**The corresponding installation instructions from the manufacturer must be observed!**



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The basement is take off until attended depth plus thickness of the slabs. Through acceptance, inspection for the subgrade is recommend for installation the slabs. It is extremely important for a professional manufacture as well as for ensure a thorough acceptance test of the subfloor before starting the installation.  
A flexible edging such as the EUROFLEX® Lawn edging is recommending.



### 1. Concrete in the lawn edges



Please note also the complete installation instruction for Lawn edging.

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## 2. Compress the gravel base layer firmly



Depending on the project, a one-sided gradient of approx. 2% or a hipped roof slope between 0.5% and 1% with free drainage provided become.

## 3. Preparation of installation of drainage screed as a hip roof slope



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#### 4. Mixing the drainage screed



#### 5. Installation of the drainage screed



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### 5.1 Installation drainage concrete

A stable edging must be available or the EUROFLEX® lawn edging, for example, must be installed accordingly. A grain size of 2/8 mm with a gradient of 2% is recommended.

A free drainage groove is recommended for the drainage of surface water.

The installation thickness should be at least 3-6 cm.

The surface must be smoothed and must not contain any loose particles.

The evenness of the substrate for the EUROFLEX® safety tiles must always be less than 5 mm below the 3 m batten.



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## 6. Design / test features

EUROFLEX® products warm up like other materials under direct exposure to sunlight quickly. To avoid high temperatures, EUROFLEX®-Products should be installed in comparatively shady areas if possible.

To minimize dimensional deviations, we recommend the following procedure:

- Make sure that all slabs have the same temperature throughout the installation.
- Before installation, lay out the slabs loosely for at least two hours so that they return to their original dimensions. The laying must be carried out completely in one working day, so that the laying of all panels under approximately takes place under the same conditions.



The ideal temperature conditions for installation are when the temperature of the installation site has been above 4 ° C for at least 24 hours. If the temperature of the installation location is below 4 ° C, the slabs must be stored in a dry place at least 10 ° C for at least 72 hours before installation.

The installation must not be carried out if temperatures below 4 ° C are expected at the installation site for a longer period of time.

## 7. Laying of tiles

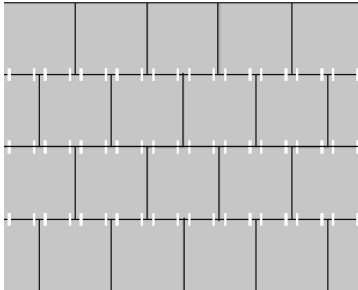
Lay the first row of EUROFLEX® slabs exactly along the borders. Start at the corresponding boundary edge.

Start the 2nd row (and every 2nd row after that) with a half slab and connect the slabs of the 2nd row to those of the first using the integrated connectors.

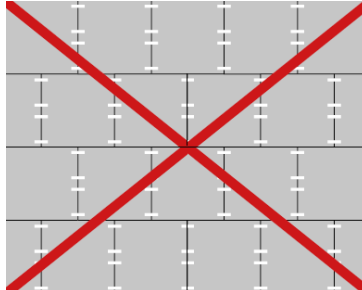
The staggered installation configuration (wall composite) ensures the positional stability of the laid slabs.



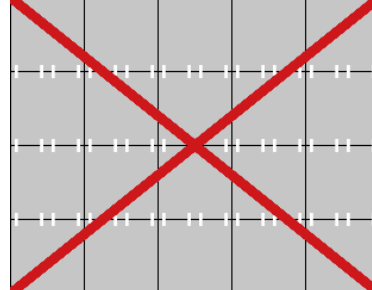
**Correct: „T“-joints**



**Incorrect: „T“-joints  
Installed in line**



**Incorrect: cross joints**



The edge areas must adjust accordingly.



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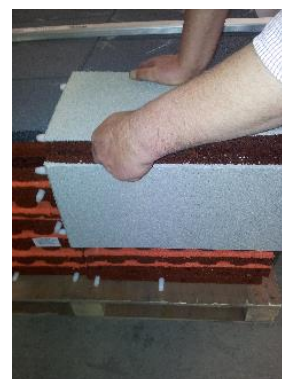


### Cutting slabs with an stable cutter knife

- Measure and mark cutting edge



- Cutting with cutter knife



Or with a pad saw, saw blade for wood

Mark the relief



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## 8. Laying the vinyl floor

### ATTENTION!

The design surface covering can be printed individually and must be cut to the appropriate dimensions on site according to the cutting plan.

It is recommended to allow for at least 5 cm of surrounding offcut for the required layout.

Check the goods for material and transportation damage before processing and in daylight. If defects become apparent during installation, processing must be stopped immediately so that the goods can be inspected or, if necessary, exchanged.

Later complaints will not be accepted.

In principle, a seam must be cut in the area of the production edge (double seam cut).

Allow the edges of each panel to overlap by 2 cm and, if necessary, adjust the motif from the center. The individual lengths are rolled out to relax. The temperature should be at least 10°C and the weather conditions should be dry.

- The individual strips are roll out to relax.



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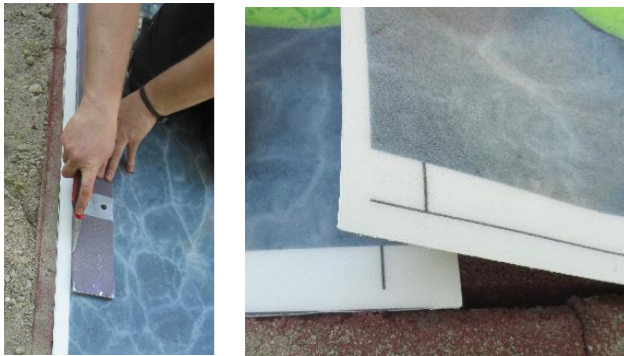
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- Overlay the marked edges and cut them precisely



- Cutting the edge area



**The overlap of the individual sheets is 2cm each!!!**

**Check the sheets for material defects during installation.**

**Membranes with visible material defects must not be laid.**

**Installed sheets with visible material defects are excluded from complaints!**

- Mixing the 2-component PU adhesive



For bonding the design floor covering to the EUROFLEX® safety tiles, we recommend using the Sportec 700 2- K polyurethane adhesive or similar is recommended.

Both components must be thoroughly mixed before application.

The corresponding processing instructions must be observed.

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Both components must have mixed thoroughly before application.  
The adhesive applied in lanes using a notched trowel. Consumption approx. 1kg / m<sup>2</sup>

- Knocking back the floor covering
- The board surface must be absolutely clean and dry.**



- Masking off the joint and edge areas with crepe paper to prevent adhesive from escaping



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- Spread and apply the adhesive using a notched trowel



- Press / roll the covering into the adhesive bed in lanes



Any seams can be sealed using type A cold welding fluid (e.g. <https://www.mueller-pvc-naht.de/produkte/typ-a/>). Follow the manufacturer's instructions.

***The installed area should not be entered for at least 24 hours.***



## 2nd substructure variant:

### Existing substrate made of concrete, concrete blocks or asphalt

Initial situation: Existing area with concrete slabs



**It is important to ensure that the surface has a slope of approx. 2% and that there is free drainage.**

The surface needs a stable border, e.g. the EUROFLEX edge and corner profiles.

Lay and align the panels as described.



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- Glue the vinyl covering as described.



- Roll on the covering as described.



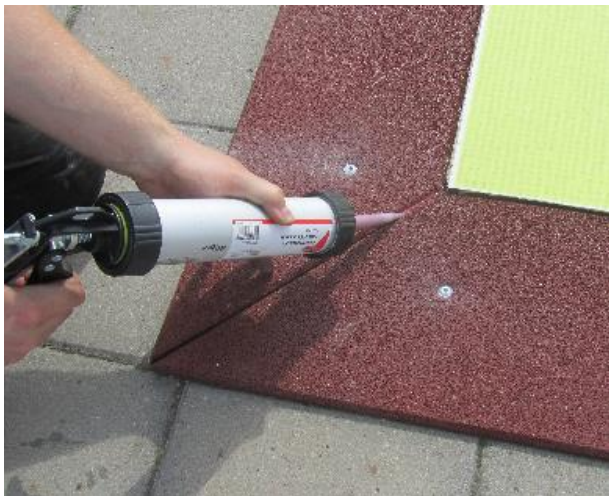
- Adapting, gluing and dowelling the profiles (concrete screws with countersunk heads are recommend)



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- Close the profile joints and screw heads with Ottocoll M 500 adhesive



- Finished area



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## Installation of playground equipment

### Installation playing equipment's

For areas with integrated play equipment, it can be installed first if the mounting structures are not as complicated, making it more difficult to install the vinyl flooring.



- For complicated playground equipment structures such as the following:



(Playing equipment company Proudba)

**Is strongly recommended to install only the necessary foundation fasteners to facilitate installation of the panels and vinyl flooring.**

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- Recesses on device feet must cut precisely.



All further work steps are to carry out as above described.



The adaptation / gluing of the vinyl covering to the device posts must done very precisely.

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### Cutouts for unit feet

The cutouts for the unit feet, fastening elements, etc. must be made as accurately as possible and cut as possible and be cut and glued to fit exactly.

To do this, first cut straight into the area around the unit feet.



When using a cutter knife with a round blade, the recesses can then be cut precisely.

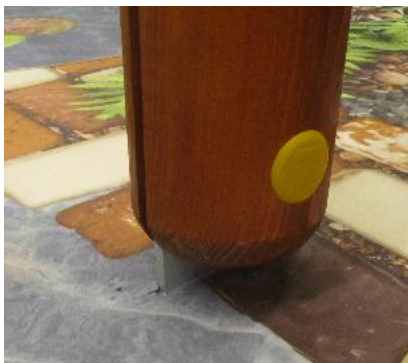


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Each lane applied to the adhesive bed using a pressure cork or pressure roller.  
It is important to ensure that the joint areas of the design floor covering have previously been masking tape can mask off to prevent contamination with leaking adhesive to avoid. Any glue stains must remove immediately.







After a time, interval of approx. 30-45 minutes (depending on the climatic conditions), the covering must be rubbed again or rolled down with a cross-sectional roller.

With Visual flooring, a corresponding polyurethane seal is already provided at the factory upset.

**ATTENTION!**

**The design vinyl flooring can be individually printed and has to be corresponding dimensions can be tailored on site.**

**It is recommended to use a 5cm circumferential scrap for the required layout to be included.**

The design flooring can also be cold-welded if required. This should be done using cold welding material. In any case, it is essential to observe the information provided by the cold welding agent manufacturer.

**The covering must not be kinked, as kinks may be visible!!!**

### Cleaning and care instructions

The design floor is easy to clean and maintain thanks to the finished surface. For longevity and lasting pleasure, the following instructions for maintaining value should always be observed.

Only clean the floor covering with a broom, vacuum cleaner or damp cloths or mops.

The newly laid vinyl floor should be subjected to a final cleaning before use.

Production-related residues and construction soiling are removed.

First remove coarse dirt by sweeping or vacuuming.

For heavy soiling, dilute the PU cleaner in a ratio of 1:10 (1L to 10L water). For light soiling, reduce the concentration accordingly. Then spread the solution and work the floor covering with a scrubbing brush or single-disc machine and red pad/scrubbing brush after a short exposure time. Remove the dirt with an absorbent wide mop or spray vacuum cleaner with hard floor adapter. Finally, wipe twice with clear water to neutralize.

For very light soiling, a simple wipe with PU cleaner may be sufficient.

Due to the large number of different manufacturers of cleaning agents and cleaning equipment, these instructions can only approximately describe the cleaning process. In order to achieve a perfect result, it is recommended that you seek advice from a specialist company according to your on-site conditions.

One example is the full care emulsion from Pallmann. <https://int.pallmann.net/>



### Attention!

We also advise against using a cleaning machine when cleaning larger surfaces cleaning machine so as not to damage the surface.

Before cleaning

After cleaning

