

1. Substrate

All substrates made of asphalt, concrete and poured levelling screed are suitable for installation. The substrate must be solid, level, dry, clean and free of cracks, undulations and dust, which can potentially affect adhesion. **SPORTEC® shooting pro** tiles should not be installed on loose or dynamic sub-bases. A solid base is required to ensure stability and performance.

For fixing on walls a solid construction wall is best conditioned. In addition, other walls can be used for fixing when they reach the required regulations for shooting ranges and permanent fixing of the tiles is possible. Both, the existing ground and the wall must definitely be level, dry clean and firm.



Suitable, solid surface

2. Preparation Work

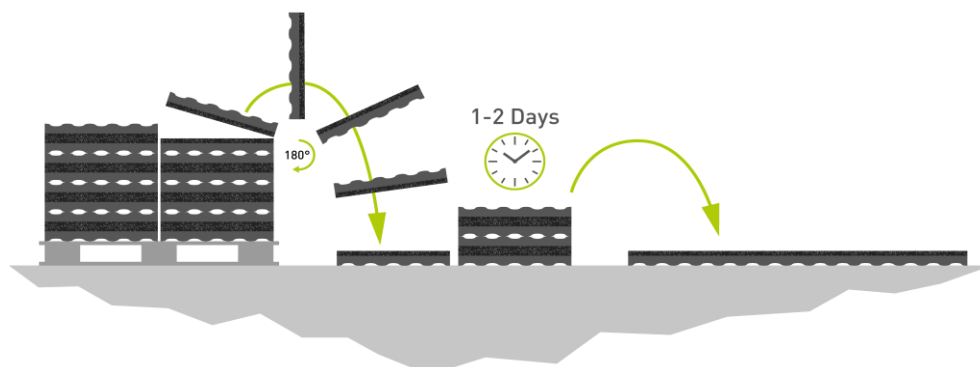
The surface of the substrate has to be brushed clean before starting installation. Minor unevenness must be levelled with a liquid self-leveller or filler compound. The same obtain for fixing the tiles on walls. The surface of the wall has to be clean and free of any other pollution. Minor unevenness must be levelled with a filler compound before starting with the installation and wooden slats must affix on the wall.

Remove the tiles from the pallet, lay down loose on the ground and store them in the area you want to install for about 1-2 days before installation to ensure correct acclimation. In order to acclimate completely, the tiles should be stored in stacks of no greater than six tiles. Tiles should be stacked finish to finish, and dimpled edge to dimpled edge to protect the surface from scratches.

The installation recommendation is not subject to any change service! All information is without guarantee.

Latest version of this document available on www.kraiburg-relastec.com/sportec

page 1 of 6



The ambient temperature for installation of **SPORTEC® shooting pro** tiles should be between 15 °C and 25 °C. For an accurate and easier installation, a chalk line should be used.



Creating chalk lines and laying the tiles along this line

If a PU coating will be applied to the flooring, it is recommended to glue the tiles down to the substrate. Before installation, mix both components of adhesive. Follow adhesive manufacturer's instructions. It may also be useful to add glue to the corners of the tile, for a better adhesion. The tile format should be 1000x500mm to reduce the amount of joints.

3. Installation on substrate

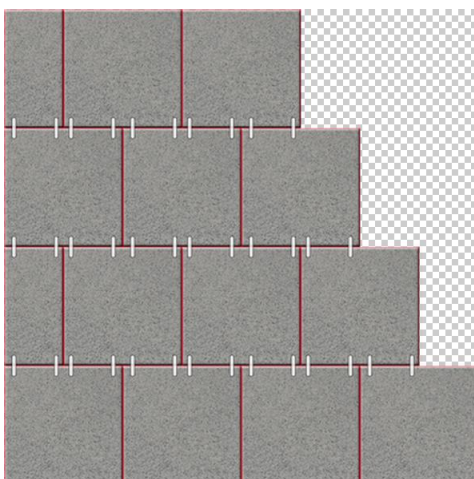
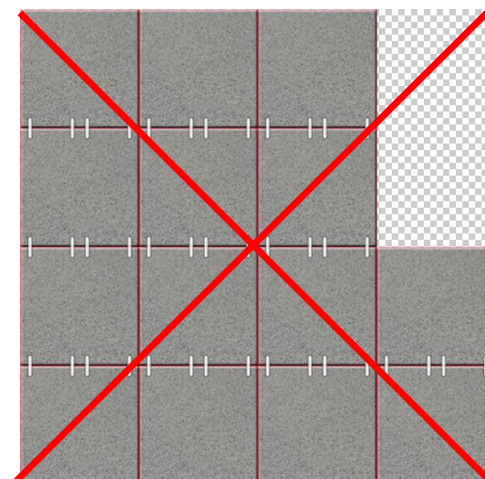
For simplification installation, use a chalk line to line up the first row of tiles from the starting location. If possible, start from a straight line with a perpendicular corner to secure the first row of tiles totally.

Remove the connector pins from the side against the wall and ensure that the tiles are laid out close together with no gap in between. These should be installed with a row of connector pins pointing towards where the second row will be installed, as per the image below. The second row should be started with a half tile, this ensures the joints are staggered from the first ensuring a brick bond formation or "T" joint in the tiles. This formation holds the tiles in position and controls the lateral movement. The third row will start with a full tile again and should mirror the first row.

To cut the tiles use or a sharp Stanley knife with a straight edge to repeatedly score through the tile gradually. An alternative would be to use an electric table saw (for straight-line full-tile cutting) or an electric jigsaw to cut around curves. During the installation, ensure that you have no gaps between individual tiles use a rubber mallet where necessary to close the gaps and make sure that the connector pins line up exactly.



Installation of the tiles along an edging


 Correct installation in brick bond format;
 With "T" junctions

 incorrect installation in grid formation
 with cross junctions

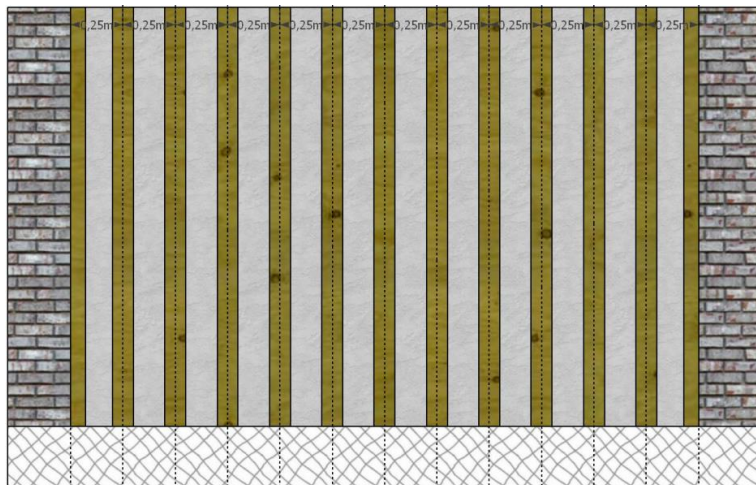
The installation recommendation is not subject to any change service! All information is without guarantee.

Latest version of this document available on www.kraiburg-relastec.com/sportec

page 3 of 6

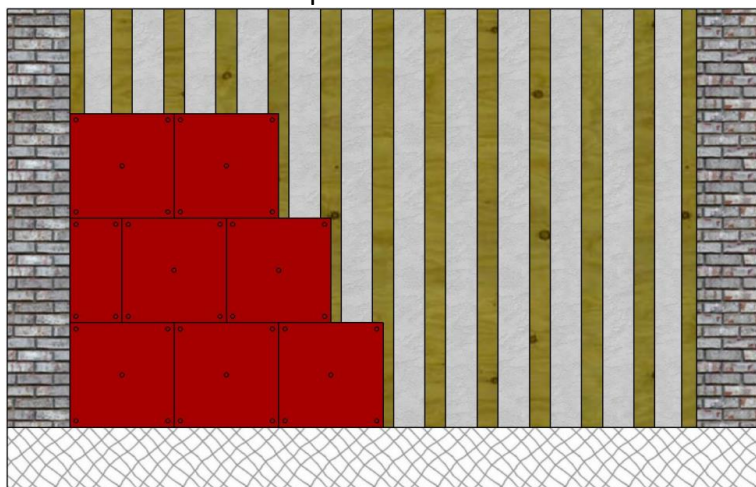
4. Installation on walls

For installation, fasten wooden slats (approx. 10cm) with dowel and screw by that way that it carries the weight of the tiles. Fit the wooden slats regular in a distance of 25cm to each other on the wall.



Fixed wooden slats on the wall

When wooden slats are fixed on the wall, attach the tiles on the wall by screwing it on the wooden slats. Therefor screw the tiles by that way that a distance of 3cm to each tile edge is ensured, fixing the screw into the wooden slats, the screw head disappear into the tile and tile is pressed to the wooden slats. Fix a tile with five screws, one in each corner and the last one centered in the middle of the tile. Tiles with a width of 1000mm need eight screws for fixing. If tile is attached and screwed to the wooden slats, lay on the next one and proceed the fixing in the same way. Start second row with a half tile, third row with a full tile again and consecutive in this procedure.



Screwing of the tiles with 5 screws

The installation recommendation is not subject to any change service! All information is without guarantee.
 Latest version of this document available on www.kraiburg-relastec.com/sportec

page 4 of 6

5. Important details

When using a primer or bonding agent, adhesive and PU self-leveling coating pay attention to, and follow the manufacturer's instructions and check the compatibility to **SPORTEC®** products. For applying of PU coating for the substrate installation, pay attention and following manufacturer's instructions and regard local laws and standards.

When calculating the needed amount of material, calculate with **3%** for **cut-off**.

The tiles may only be installed on leveled, dry and clean substrate.

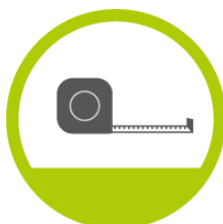
When possible the installation should be done in one day so that all tiles are installed under the same ambient conditions.

The tiles could be cut to size using an electric jigsaw or a sharp cutting knife.

Required tools for the installation:



Gloves



Measuring tape



Knife



Chalk line



Jigsaw

Rubber products have an odour typical of the material, which decreases over time. This can be accelerated by regular airing.

In case of claims caused of falsely delivered goods, defect goods, insufficient quantities or other possible faults make a claim immediately and stop the installation directly. A claim of delivered material is only possible with untreated material and with declaration of the order number or production batch reference number, printed on the side of tile.



DISCLAIMER:

These recommendations for applications and installation are based on our extensive experience and on current technological practice. Our liability and responsibility in the event of damages shall be limited to the extent defined in our General Terms and Conditions of Business, regardless of the above recommendations or of any statements made or advice given by our sales representatives or applications engineering staff.