

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.



Even, suitable substrate made of poured screed



uneven, not suitable substrate

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-leveler or filler compound. It is also our recommendation to apply a primer or bonding agent if necessary.

The **SPORTEC puzzle 2.0** floor covering material is delivered in mats and must be stored on site for 1-2 days at a temperature between 15 °C and 25 °C before installation. Because of possible high pressure of the stacked mats on pallet, destack the mats from the pallet and lay down loose on the ground on the previous day to installation so that the tiles can relax.

3. Installation

Bonding the **SPORTEC® puzzle 2.0** mats to the substrate is necessary for all thicknesses. It is sufficient if the interlocking area of the mats and the edge areas on the walls or in the case of cut-to-size mats is glued to the substrate with double-sided adhesive tape (at 6mm).

In the case of thicker mats, gluing only at the edges, e.g. on the walls or when cutting-to-size mats, is completely sufficient to prevent the individual mats from slipping and thus the formation of gaps within the composite.



Video:



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page 1 of 4

Before laying the puzzle mats, measure the required strips of double-sided adhesive tape on the substrate as required and then stick them on, so that the puzzle mats can then simply be stuck on these strips during installation.



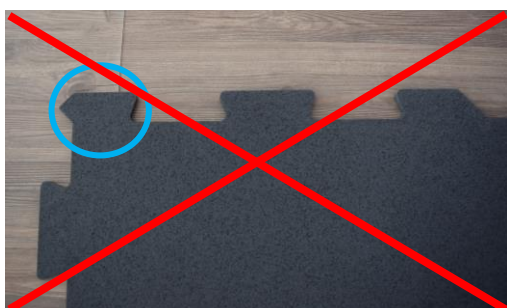
at **6mm**: gluing at the edge area and at the interlocking area



at **8-10mm**: gluing only at the edge area or at the edges of cut-to-size mats

The puzzle mat with its surrounding teeth creates a stable bond when laid. But take care to align the teeth of a puzzle mat correctly as each side of the puzzle mat is different.

To start, align the first puzzle mat so that 3 whole teeth follow on the upper left after a small corner that points upwards. This alignment is only possible once when laying out the puzzle mat, so if necessary, the mat can be brought into the correct starting position by turning it, as shown below.



Alignment of the puzzle mat: bring the mat into position by turning or flipping



Start position when laying: top left small corner points upwards, 3 whole teeth follow

Once the first puzzle mat has been aligned and brought into the correct starting position, start the cutting of the mats for laying along a border or wall.

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Video:



page 2 of 4

Cut off the teeth of the puzzle mat on the side that has to be placed against the edging or wall, place it flush with the wall at the intended location and fix the mat onto the prepared double-sided gluing stripes. When the first puzzle mat has been placed correct, lay the next "prepared" mat, allow the interlocking of the both mats and fix them to the substate.



Place cut mat; connect the next mat with the teeth along the wall

Then align and place mat by mat, interlock the teeth and continue until the surface is laid as required.



Installation of the other mats

4. Varnish

In generally the **RZ turbo protect zero** varnish can be applied when the puzzle mats are firmly glued to the floor and used indoors.



Video:





Applying the coating

5. Important details

When using a primer or bonding agent, adhesive and sealing lacquer, pay attention to and follow the manufacturer's instructions and check the compatibility with the **SPORTEC®** flooring range.

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

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

The mat could be cut to size or be cut in shape by using a sharp cutting knife.

In case of possible linings or markings on the puzzle mats, use a suitable line marking paint. When using such a line marking paint, pay attention to and follow the manufacturer's instructions.

If line marking is applied, do not trespass the flooring before the paint is completely cured.

The **RZ turbo protect zero** sealer may only be applied to clean and dry surfaces. If necessary, delay the sealing in order to clean the surface and remove all contaminants before applying the sealer.

Do not allow any access to the sealed floor before the sealing material is completely cured.

In case of claims caused of mistakenly delivered goods, defective goods, insufficient quantities or other possible faults stop the installation and make a claim immediately. A claim of delivered material is only possible with untreated/uninstalled material and with a confirmation of the order number.

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.

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Video:



page 4 of 4