



Installation instructions for rubber tiles

Installation on a concrete or asphalt base

1. Storage of the tiles:

The tiles should be stored inside to eliminate humidity.

2. Preparation of the substructure

The substructure has to be clean, dry and free of dust

- Existing concrete or asphalt flooring tile:

Sweep the entire surface or clean it with high pressure water jet if necessary. In this case: wait until all the water has evaporated before starting to glue.

- New concrete flooring tile:

Respect the complete drying delay and the 21 days of milt before beginning to glue.

- New asphalt flooring tile:

Remove all oils of the asphalt before starting to glue.

3. Implantation suggestion

For a rectangular playground, it is advised to put the tiles row per row **diagonally**. Cuttings happen while advancing. Try to cover the most used zones with non – cut tiles. Leave an empty space between the tiles for the dilation of the tiles. **Only after the laying has happened, proceed to the gluing.**

4. Preparation of the glue and gluing of the substructure:

The glue furnished by **rbsi** is a bi – component polyurethane glue with single gluing.

It's packed in a kit including:

- kit of 6 kg: 1 pot of base of 5.4 kg (A) + 1 pot of hardener of 0.6 kg (B)
- kit of 12.2 kg: 1 pot of base of 11 kg (A) + 2 pot of hardener of 0.6 kg (B)

Prepare one kit at once according to the progression. Do **not prepare all the glue in a big drum in one time**: the mixture can only be used during 20 to 45 minutes at a temperature of 20°C.



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- a. Pour all of part B in part A, mix with a mixer at slow speed (max 400 tr/min) until obtaining an unctuous and homogeneous mixture.
- b. Apply the glue uniformly with a notched scraper (by dry weather, moderate temperature and only on a dry ground). Do not glue by piles. Advised dose: $\pm 1\text{kg/m}^2$ for concrete, 1.5kg/m^2 for asphalt. Glue 1m^2 at a time and immediately lay the tiles.

Apply by dry weather – temperature between 15°C and 35°C

Further information

- Verify the efficiency of the rain water evacuation and the flowing system, especially if the application of the glue obstructs a porous ground.
- Take in account the polymerisation time of the glue, time during which the ground doesn't have to undergo climatic and mechanical aggression.

Solidification: between 4 and 6 hours

Opening to walk: 6 hours

Definitive polymerisation: 4 days

- Take in account the dimensional variation of the covers under the action of climatic changes: it would be better to glue all the surface in one time and avoid the periods with big range of temperature (i.e. hot day, cold night)
- It's strongly advised against gluing the tiles if it risks to rain during the 6 hours following the installation.

It is strongly advised against;

- Gluing the tiles on a wet substructure
- Gluing the tiles on fresh concrete (the milt is not supported by the glue)
- Gluing the tiles on a cold bituminous asphalt (the fluxing is not compatible with the glue and the tear resistance of the surface becomes very weak)
- Gluing the tiles in studs
- Putting the tiles to close together for a perfect alignment
- Not covering up the surface after the installation (as it might rain)
- Using the glue when it is getting too hard
- Storing the tiles outside.

We stay at your disposal for all information you may require.