

**NOTA BENE:** In order to provide the customer with the best use of product, this installation guide has to be followed carefully to guarantee conformity and ensure sports performance. If not, Tarkett Sports will not be responsible for damages following installation. Any use of the product for purposes other than the ones set out, in the condition of use, should be submitted to Tarkett for prior approval. If you need any further information, please contact your dealer who will provide you with the appropriate advice.

## CHOICE OF LAYING TECHNIQUES

The subfloor must be dry, flat, clean, strong and without cracks. Sports floor sub-floors: bumps and holes must not exceed 6mm under the 3m ruler.

The moisture rate in the screed must be in accordance with the local requirements, i.e. in France < 4,5% (concrete) - in Germany < 2% (concrete); anhydrite in France and Germany < 0.5%.....

- Omnisports REFERENCE, Omnisports EXCEL and Omnisports PUREPLAY are specially designed to be "loose-laid" (98% adhesive free). This is possible because a non-woven fibreglass core gives these products outstanding dimensional stability.
- If the subfloor doesn't meet the local standards, it will be necessary to flatten bumps and flashes with an adapted mortar and if needed to do a complete self levelling of the subfloor.
- Beyond 2% moisture rate (CCM method) or in case of rising moisture, it is necessary to waterproof the subfloor by a screed made of epoxy resine (or equivalent) before self levelling.

Kind of sub construction	Accepted Moisture Rates	Best laying solution
Concrete	Local standard compliant	GreenLay or Glued installation (on a moisture resistant barrier or on a screed coat)
Concrete	>local std & <7%	GreenLay or installation over Tarkolay
Concrete	>7% & < 10%	GreenLay or installation over Tarkolay
Anhydrite	<0.5%	GreenLay & perimeter gluer or glued installation
Anhydrite	<1%	Installation over Tarkolay (acrylic glue)
Anhydrite	<1.5%	Installation over Tarkolay (reactive dual-component glue)
Asphalt coated	Dry	GreenLay & perimeter glue or glued installation
Asphalt coated	Dry	Glued Installation

## STORAGE CONDITIONS

Omnisports rolls are to be stored horizontally, on a plain/flat, dry and without any ruggedness. They must not be stacked



## Positioning the rolls (for all the different kinds of installation)

- The temperature at the subfloor level must be 12°C (53°F) in the room and 15°C (59°F) on the subfloor.
- Mark out the axes of the arena/gymnasium on the floor.
- Position the rolls at this centre line, following the layout numbers (1-2-3-4.....)
- Start from the length axis and unroll the strips.
- Unroll in alternate directions (except for the wooden patterns), positioning the sheets 1cm away from each other till the end of the 24h relaxing period. If necessary, re-cut the selvage.

Let the Omnisports rest for at least 24 hours before welding the sheets, then reposition the sheets edge-to-edge. During this time, the arena/ gymnasium must be kept within the temperature range specified above. Relative air rate moisture needs to be between 35 and 65%, this means that ventilation or in cold seasons, heating system must be running constantly.

*If any doubts or clarifications should be needed, please contact your local Tarkett representative for further information.*

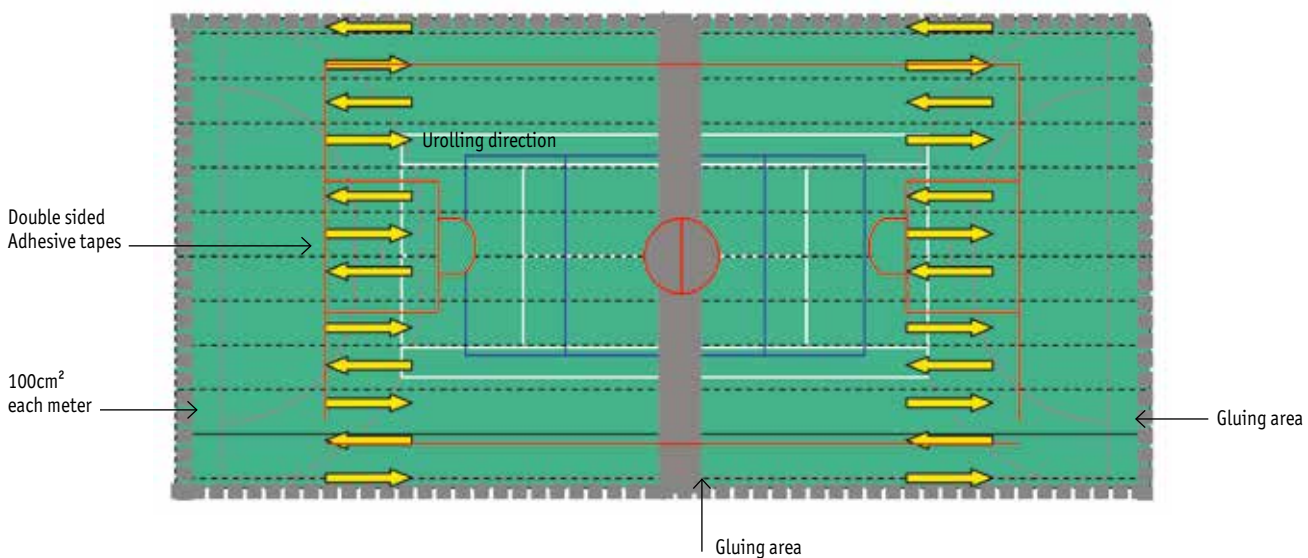
## THE DIFFERENT KINDS OF INSTALLATION

### GreenLay installation

Sheets are attached on the sub-floor using double sided adhesive tape – Tarkotape (double sided tape) ref 1551085 (1 roll = 152mm width x 32lm, sold in 1 box of 12 rolls = 384lm). The main purpose of the double sided tape is to hold the selvedge in place during the welding and prevent the hot air from the blowtorch from getting under the floor covering. The double sided tapes have to be carefully applied in order to avoid any deformation of the covering.

After taping down all the sheets (except for the central joint of the arena) directly to the sub-floor, the gluing of the external edges (at periphery of the gymnasium) should be handled as follows: 100cm<sup>2</sup> every meter. You will have to glue the central join (25cm on each side). If you install two or three-coloured projects, you will have to glue the seams under the different colours.

You must also glue 18-20cm wide (spatula width) all around the edges of the trap doors. Do not forget that the sub-floor must be dust free and without any tracks of oil.



We recommend a dual-component epoxy glue, GreenLay Glue, reference Component A 1551057 Component B 1551058 – quantity to be applied, with a thin set of teeth spatula, between 300 and 350 gr per sqm. For a good installation you must carefully follow the manufacturer recommendations in particular, the waiting time before applying the covering. Then compact the surface with a roller to eliminate any bubbles that might remain between the sub-floor and the covering.

In certain cases, gluing widthwise is also possible. Please get in contact with your technical service for any question or assistance.

### Glued Installation

Sub-floor must be clean, dry, smooth, un-cracked, compression resistant and free of any material that could prevent from a good adherence.

Roll halfway back the sheets carefully of the first half of the gymnasium. Avoid moving the sheets from their original positions.

Apply the glue to the uncovered half of the sub-floor, starting with the center strips and working outwards.

Glue two or three sheets at the same time.

Apply the glue to the sub-floor in even coats. In order to ensure that the glue is properly transferred to the back of the floor covering, do not glue too large an area at any one time. For a normal absorbent sub-floor, glue consumption is about 250-300gr/sqm with a thin toothed spatula (TKB A2).

**Important notice:** Only glue the adequate surface of floor covering – considering the drying time – in order to make the glue transfer effective.

Lay the covering on the sub-floor after the setting time specified by the glue manufacturer.

Then you will have to eliminate the air bubbles that can be located between the sub-floor and the covering by using first a pressing tool then a 50kg roller. This will enable the glue to transfer perfectly on the floor covering.

Don't leave any heavy load on the floor covering during the complete glue drying time (72h).

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## Installation over a Tarkolay

This kind of installation concerns with sub-floors where moisture rate do not exceed 10%.

The sub-floor must be carefully swept and dusted. Unroll the Tarkolay in the same direction as the Omnisports on the clean sub-board, with studs on subfloor side, and align the strips edge to edge. If you might have to cut a roll and join it with another one, do not forget to tape the short ends of the two sheets together on their backside, using a single sided tape.

Leave a 5mm ventilation gap on the boundary of the gymnasium.

Glue the Tarkolay directly on the sub-floor on the edges of the gymnasium, the gluing area must be 100cm<sup>2</sup> every meter, we recommend for this specific operation : GreenLay Glue. Glue should be laid between 300 and 350gr/sqm with a thin toothed spatula (TKB A4). Glue also 18-20cm wide (spatula width) all around the edges of the trap doors. Eliminate the air bubbles that can be located between the sub-floor and the covering by using first a pressing tool then a 50kg roller. Please follow the manufacturer's recommendations. The junction of the Omnisports REFERENCE or EXCEL strips must not be stacked on top of the Tarkolay's ones; a 50cm gap is recommended.

Unroll in alternate directions (except for the wooden patterns), positioning the sheets 1cm away from each other till the end of the 24h relaxing period. If necessary, re-cut the selvage. Let the Omnisports rest for at least 24 hours (without any heavy load) before repositioning the sheets edge-to-edge , cutting and gluing the sheets.

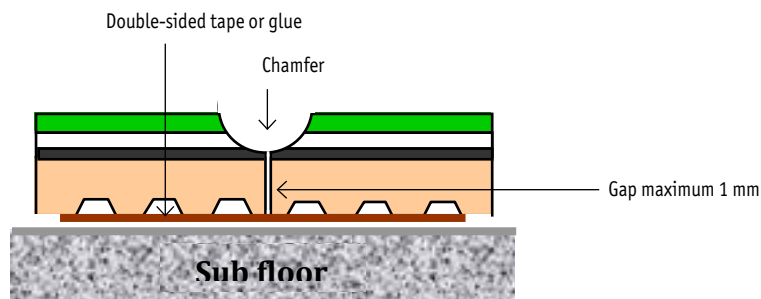
Prepare the installation in the same way previously recommended in the "glued laying" paragraph. There is however an important difference between each method; for the gluing of the Omnisports REFERENCE, EXCEL & PUREPLAY on the Tarkolay, you should take into account the moisture rate of the sub-floor:

- **If the moisture content is lower than 7%:** Omnisports should be glued with a technical acrylic adhesive (specific for PVC over PVC), according to manufacturer recommendations. Quantity of glue laid should be 200 gr/m<sup>2</sup> with a thin toothed spatula (TKB A4).
- **If the moisture rate of the sub-floor is lower than 10% and upper to 7%:** the Omnisports must be glued by using GreenLay Glue, consumption 300-350gr per sqm spread with a thin toothed spatula (TKB A2).

## THE WELDING OF OMNISPORTS REFERENCE, EXCEL & PUREPLAY (COMMON TO THE THREE KINDS OF INSTALLATION)

### The Trimming

This operation should be performed by using an electric tool with a "U" shaped blade as described, for any 5mm diameter welding road the width of mill must be 4.3mm and maximum depth 2.5mm.



### The welding

We strongly recommend, for this operation, an automatic cart (Leister or similar), which will produce more regular, professional quality welds.

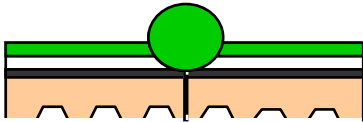
Before welding the Omnisports, first of all, try to weld on an apart piece of product, in order to check that the temperature, the pressure and the speed of this material enables to perform a good welding conditions.

To obtain an optimum result, we recommend to set the temperature on 450°C, 2m/min.

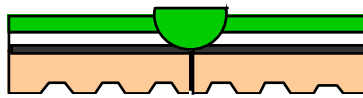


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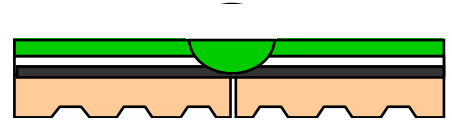
## Cutting back the bead



1. Weld is hot (The presence of a small bump indicates the perfect level of fusion of the welding rod).



First trim before cooling



2nd trim after cooling

Tool required for trimming: "Quarter moon" knife or crescent-shaped knife with the cutting guide.

## Painting game lines

### 1 Permanent marking:

Kipp – Indoor paint 2K - [www.kipp-markierungen.de](http://www.kipp-markierungen.de)

Conipur 45 – BASF AG– phone number +41 58 958 22 44 –[www.conica.com](http://www.conica.com)

Follow the manufacturer's installation recommendations.

Other line paintings can be compatible with the Omnisports floor coverings. Please contact your technical service for any question or assistance.

### 2 Temporary marking lines

The producer of these tapes is 3M – reference 471 - 5cm width -[www.3M.com](http://www.3M.com)

Follow the manufacturer's installation recommendations.

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