

# Installation Instructions

# Omnisports REFERENCE & EXCEL

17 04 2012



## 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 sub floor must be dry, flat, clean, strong and without cracks. If the subfloor is too porous, you will have to waterproof it by a screed made of epoxy resin. 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 and Omnisports EXCEL 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.

Kind of sub construction	Accepted Moisture Rates	Flat Sub Base Bumps & holes <6mm under the 3m ruler	Limited Planitary Correction To comply with the NF P 90 202 standard	Best laying solution
Concrete	Local standard compliant	90 202 standard	Levelling or smoothing of the sub base	GreenLay & perimeter glue or Glued installation (on a moisture resistant barrier or on a screed coat )
Concrete		not flat	Levelling or smoothing of the sub base (1)	
Concrete	>local std & <7% >local standard & <7%	flat	Levelling or smoothing of the sub base with a moisture resistant product (2)	GreenLay & perimeter glue or
Concrete		not flat	Levelling or smoothing of the sub base (2)	Installation over a Tarkolay
Concrete	>7% & < 10%	Flat or not flat	Levelling or smoothing of the sub base with an epoxy primer before applying the levelling compounds (3)	GreenLay & perimeter glue or Installation over a Tarkolay
Anhydrite	<0.5%	flat	Levelling or smoothing of the sub base (4)	GreenLay & perimeter glue or Glued Installation
Anhydrite	<0.5%	not flat	Levelling or smoothing of the sub base (4)	
Anhydrite	>0.5% & <1.5%		let it dry a bit more	
Asphalt coated	Dry	flat		GreenLay & perimeter glue or Glued Installation
Asphalt coated	Dry	no flat	Levelling or smoothing of the sub base (5)	

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Brand	Products	Web site
Eurocol	963 Helmiplan HP3*	<a href="http://www.eurocol.com">www.eurocol.com</a>
Bostik	Ardasol3*	<a href="http://www.bostikpro.com">www.bostikpro.com</a>
Bostik	Roxol HR4*	<a href="http://www.bostikpro.com">www.bostikpro.com</a>
Lanko	173 Soldur*	<a href="http://www.parexlanko.com">www.parexlanko.com</a>

\* different primers can match each of these products – Ask the manufacturer for the appropriate product

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Brand	products	Web site
Lanko	731 Lankorep*	<a href="http://www.parexlanko.com">www.parexlanko.com</a>
Lanko	Structure R4*	<a href="http://www.parexlanko.com">www.parexlanko.com</a>

\* Ask the manufacturer for the appropriate primer

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Brand	Products	Web site
Bostik	Ardasol 3 + primer Eponal 336*	<a href="http://www.bostik.com">www.bostik.com</a>
Bostik	Roxol HR4 + primer Eponal 336*	<a href="http://www.bostik.com">www.bostik.com</a>

\* 2 coats of 400gr and sand the second one

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Brand	Products	Web site
Eurocol	Alphy 920 + Universal primer 044/2	<a href="http://www.eurocol.com">www.eurocol.com</a>

5 For this particular sub-floor, please contact one of these Manufacturer for further advice

**For all these products – Follow the manufacturer's installation recommendations**

## 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 sub-floor level must be 12°C (53°F) in the room and 15°C (59°F) on the sub floor.

Mark out the centreline of the arena/gymnasium on the floor.

Position the rolls at this centre line, following the layout numbers (1-2-3-4.....)

Start at the middle of the centre line, unroll the strips towards the back of the arena/gymnasium

Unroll in alternate directions (except for the wooden patterns), positioning the sheets edge-to-edge. If necessary, re-cut the selvage.

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Let the Omnisports rest for at least 24 hours before welding the sheets. 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.

## The different kinds of installation

### GreenLay installation

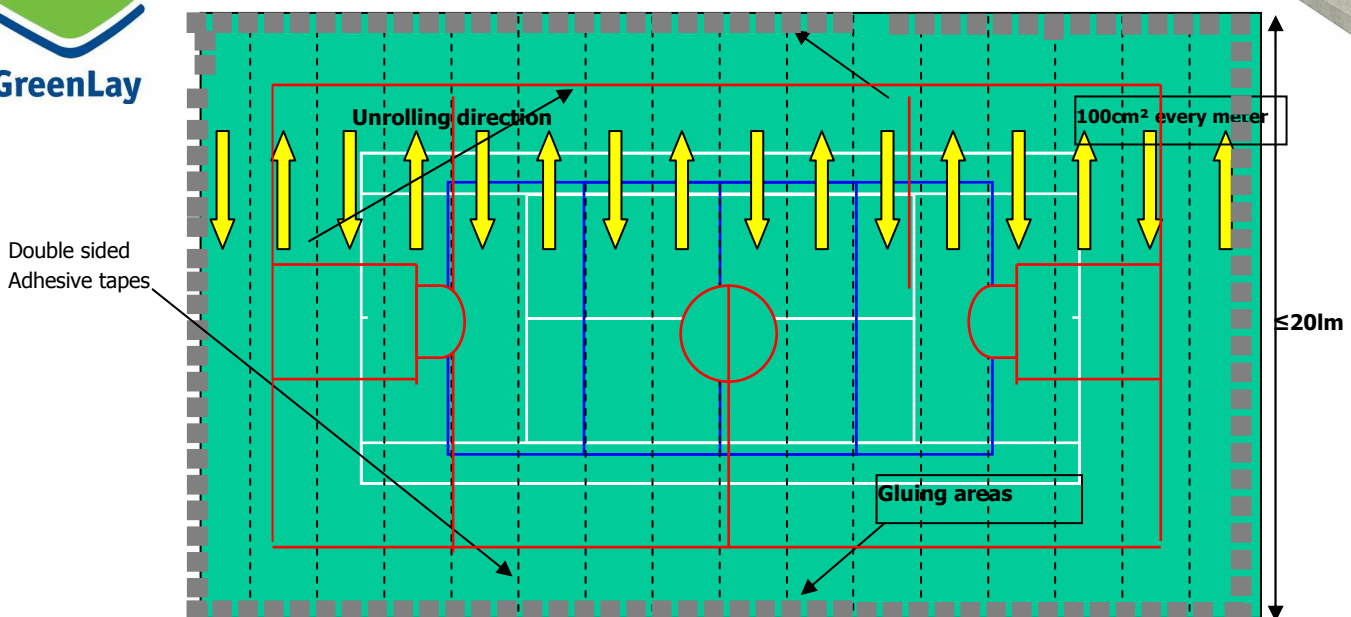
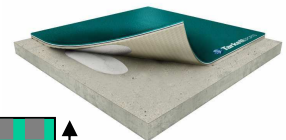
**For any installation area that is bigger than 1200 sqm; please contact us; the way of laying and gluing could be slightly different.**

Sheets are attached on the sub-floor using double sided adhesive tape – GreenLay double sided tape ref 1551082 (1 roll = 25lm width 100mm sold unit: carboard of 6 rolls => 150lm). 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 joint (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 8cm wide 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.....

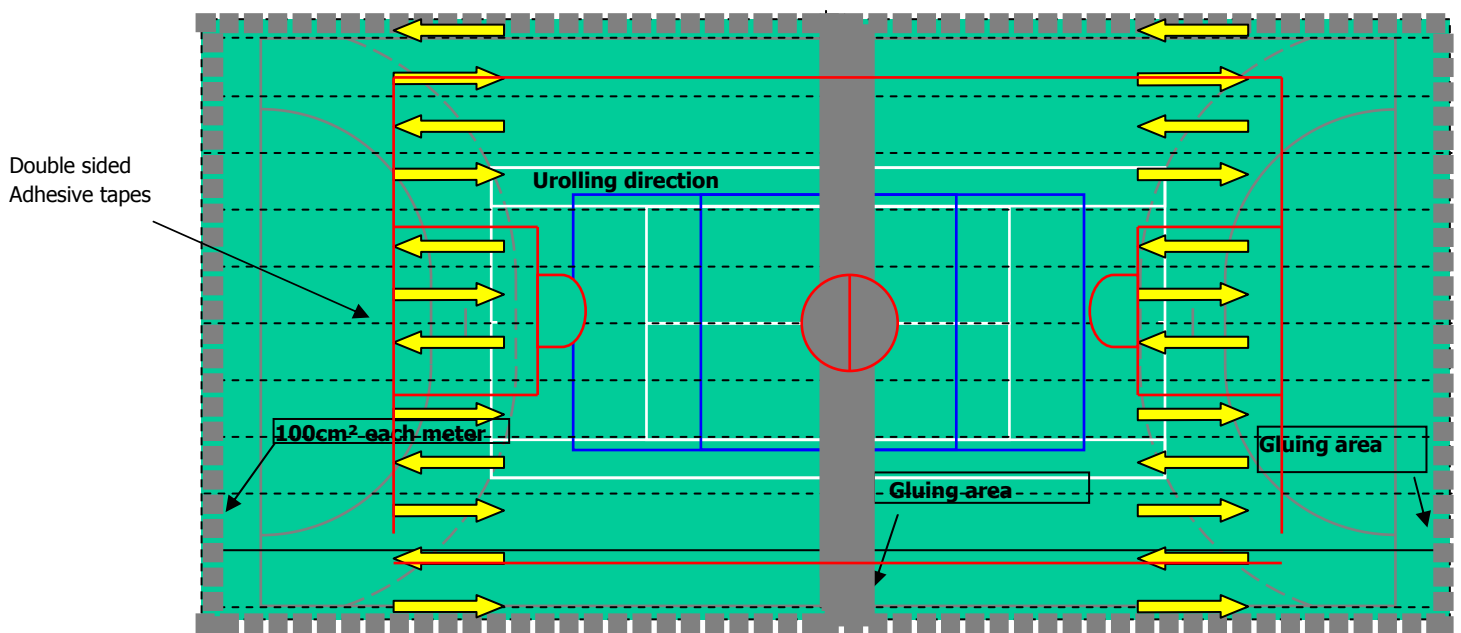
As you already know, the installation can be handled in two different ways, on the transverse or lengthwise side, you will find below the illustration of the gluing process for each of them:



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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.

### Glued Laying

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 280gr/sqm with a thin toothed spatula (A2).

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 a 50kg roller.

Glue that are recommended by Tarkett Sports :  
Brand MANG: Polymang HPE, Polymang SM  
Brand Sader: Sadertac S41, Sadertac V3  
Brand Miplacol: Miplafix 700, Miplafix 300

Manufacturer Bostik: [www.bostikpro.com](http://www.bostikpro.com)

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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 (which will be unrolled in the same direction as the Omnisports) on the clean sub-board, aligning the strips edge to edge (you can roll out the sheets in the transverse direction – when the wide dimension of the arena is shorter than 20m in order to avoid short ends). 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.

Be particularly careful when cutting around sleeves, anchor boxes, and on the boundary of the gymnasium.

Adhesion of the Tarkolay – consumption between 300 and 350gr/sqm - 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 : brand Eurocol reference 131 Euomix Epoxy Plus. Glue also 8cm wide 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 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.

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 or EXCEL on the Tarkolay, you should take into account the moisture rate of the sub-floor:

If the moisture rate of the sub-floor is lower than 10% and upper to 7%: Omnisports must be glued with – manufacturer Eurocol – 131 Euomix Epoxy Plus, if the moisture content is lower than 7%; the Omnisports must be glued by using – manufacturer Eurocol – 522 Eurosafe super Plus – consumption 200gr per sqm spread with a thin toothed spatula. ([www.eurocol.com](http://www.eurocol.com))

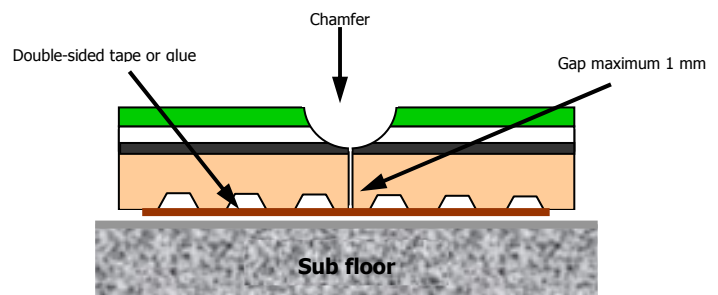
## The welding (common to the three kinds of installation)

### 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.



Trimming machine



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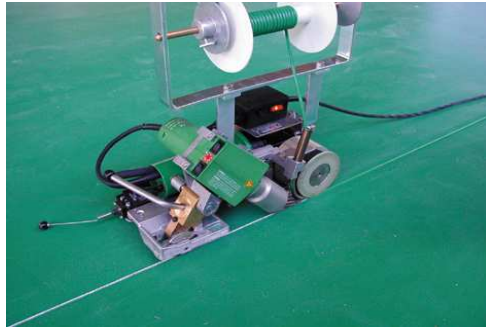
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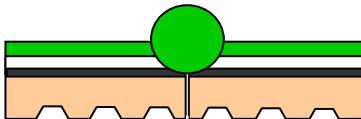
### The welding

We strongly recommend, for this operation, an automatic cart, which will produce more regular, professional quality welds.

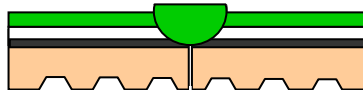
Before welding the Omnisports, first of all, try to weld on an apart piece of product, in order to check that the temperature, the pressure and the speed of this material enables to perform a good welding conditions.



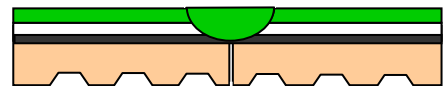
### Cutting back the bead



Weld is hot



First trim before cooling



2<sup>nd</sup> trim after cooling

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

### Painting game lines

#### 1 Permanent marking:

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

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

Follow the manufacturer's installation recommendations.

#### 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.