

Installation instructions
**OMNISPORTS Active +, Pureplay,
Reference Multi-Use,**



PREFACE

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 Sports for prior approval. If you need any further information, please contact your dealer who will provide you with the appropriate advice.



Check before installation, the quality of the delivered product, rolls must be received on site in a protective cardboard. If the product is defective, contact Tarkett Sports. If installation is in process, it shall be stopped on the day the defect is noticed otherwise the Warranty shall not apply.



SUBFLOOR

The subfloor must be dry, flat, clean, strong and without cracks.

The moisture rate for concrete or cement screed must be in accordance with the local requirements.

For example : France $\leq 4\%$ and Germany $< 2\%$ (CCM method),...

Choice of laying techniques Subfloor	Glued	Tarkolay	GreenLay
Surface appearance	Smooth		
Flatness	$\leq 6\text{mm}$ under 3m ruler		
Altimetry	$\pm 1\text{cm}$ compared to the average		
Moister rates for concrete	Local standard compliant	$\leq 7\%$	$\leq 7\%$
Moister rates for anhydrite screed	$< 0,5\%$	$< 1\%$	$< 0,5\%$
Saw joints treatment	Yes	Yes, if opening $> 4\text{mm}$	Yes
Cracks $< 1\text{mm}$ treatment	Yes	Yes, if covered with a levelling compound	Yes
Levelling compound (necessary if the surface appearance is not smooth or if the flatness is not compliant)	If the concrete is exposed to capillary moisture surges, it's necessary to waterproof the subfloor by an epoxy resin (or equivalent) before applying the levelling compound	For localized concrete repair, use a specific moisture-resistant levelling.	For localized concrete repair, use a specific moisture-resistant levelling.

Important notice : no expansion joints shall be present in the playing area

INSTALLATION

1 – GENERAL CONDITIONS



The temperature in the room must be $\geq 15^{\circ}\text{C}$ and for the subfloor $\geq 12^{\circ}\text{C}$.
Relative air rate moister needs to be between 35 et 65%.

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



Tarkett Sports recommend to install rolls in the play direction. For a glued installation, Omnisports can be installed in the transversal direction. Same batch for all the same room.

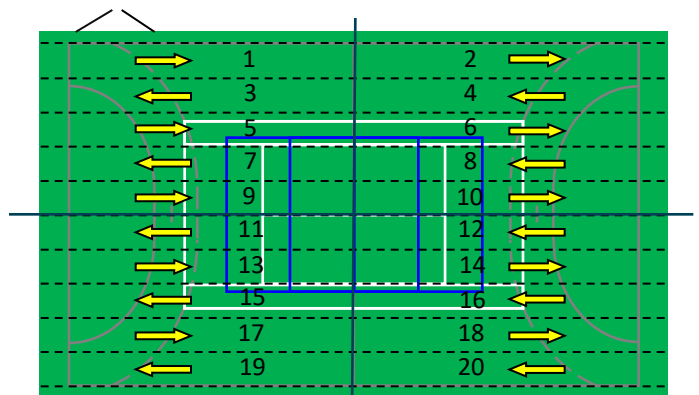
Mark out transversal and longitudinal axes.

Unroll the rolls along the longitudinal axis, following the chronological rolls manufacture order, leaving a space of 1 cm between them for at least 24 hours.

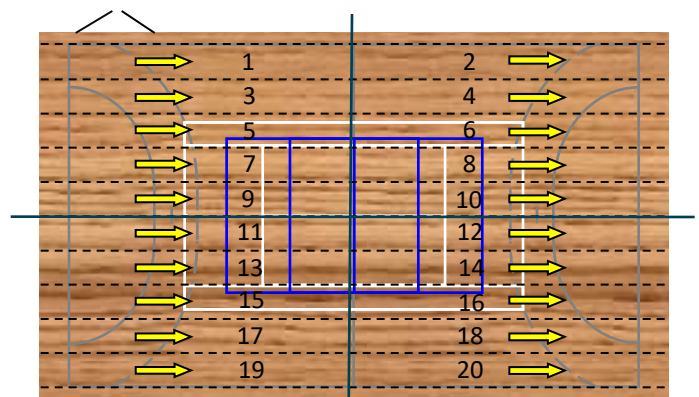
If necessary, re-cut the selvedge

Let the Omnisports rest before adjusting the sheets, edge-to-edge, gap $< 1\text{mm}$.

Uni :
alternate direction



Wood patterns :
same way



INSTALLATION

2 – GREENLAY INSTALLATION



GreenLay installation is not allowed in gymnasiums with large roof windows. After installation, ensure that the temperature is always maintained between 10 and 38°C.

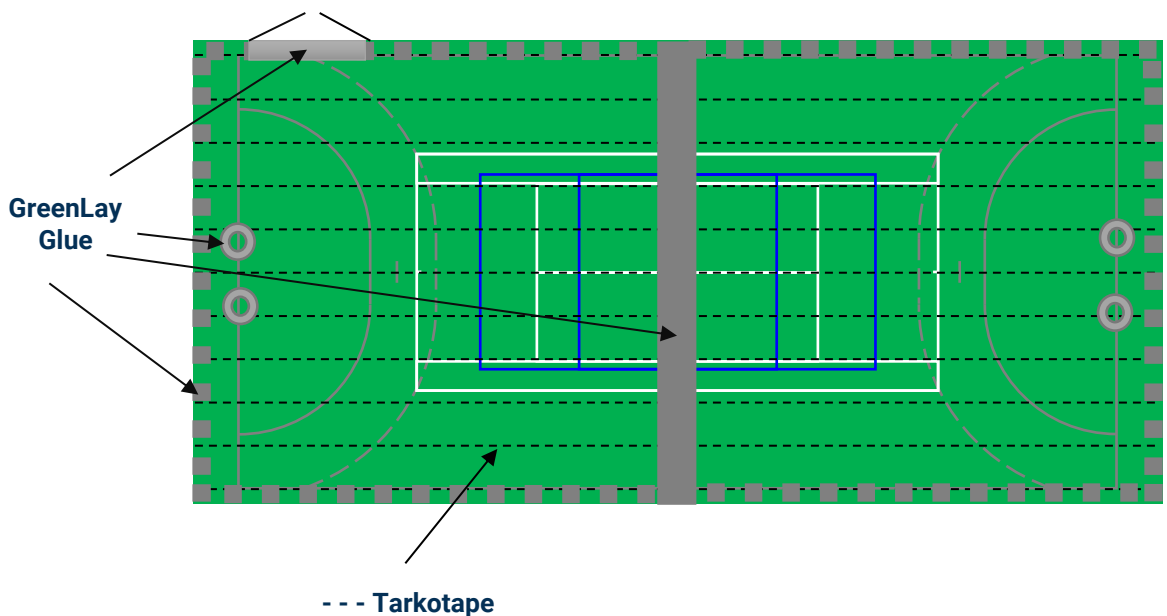
Sheets are fixed on the subfloor (except for the central joint of the gymnasium) by using double sided adhesive tape – Tarkotape (double sided tape) ref 1551185 (1 roll = 152mm width x 25lm, sold in 1 box of 8 rolls = 200lm).

If the subfloor is too absorbent, apply a primer to the subfloor on the right side of the double-sided tape and glue.

The gluing areas with bi-component GreenLay Glue (5kg kit Reference 210998002) and a thin toothed spatula TKB A2 (300 to 350gr per sqm) should be handled as follows :

- Central join (transversal axis), 25cm on each side,
- External edges (at periphery of the gymnasium), 100cm² every meter,
- All around the trap doors edges, 20cm width,
- In front of all the doors, 20cm width.

Then, press the surface with a roller to eliminate any bubbles that might remain between the sub-floor and the covering.



Number of 5kg Greenlay Glue kits required :

For a unicolor court $\leq 400\text{m}^2$, minimum 1 kit.

For a unicolor court $> 400\text{m}^2$ and $\leq 800\text{m}^2$, allow for a minimum of 2 kits.

For a unicolor court $> 800\text{m}^2$, a minimum of 3 kits is required.

For a court with the outside of the playing area in a different color, order a minimum of 4 kits.

For a two-tone volleyball court, order 4 kits.

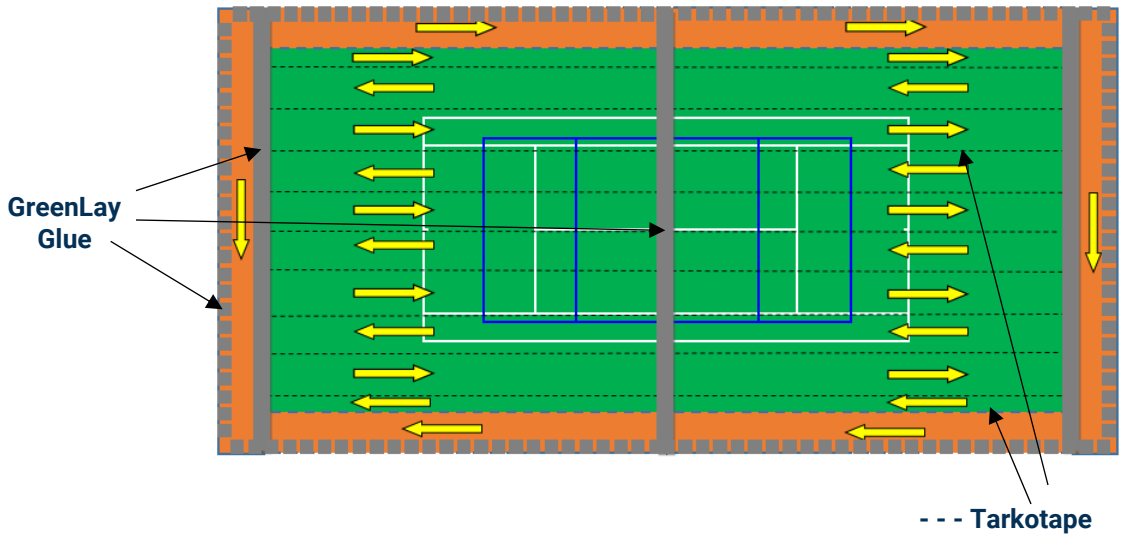
For a two-tone basketball court, order 5 kits.

For a three-color handball court, order 6 kits.

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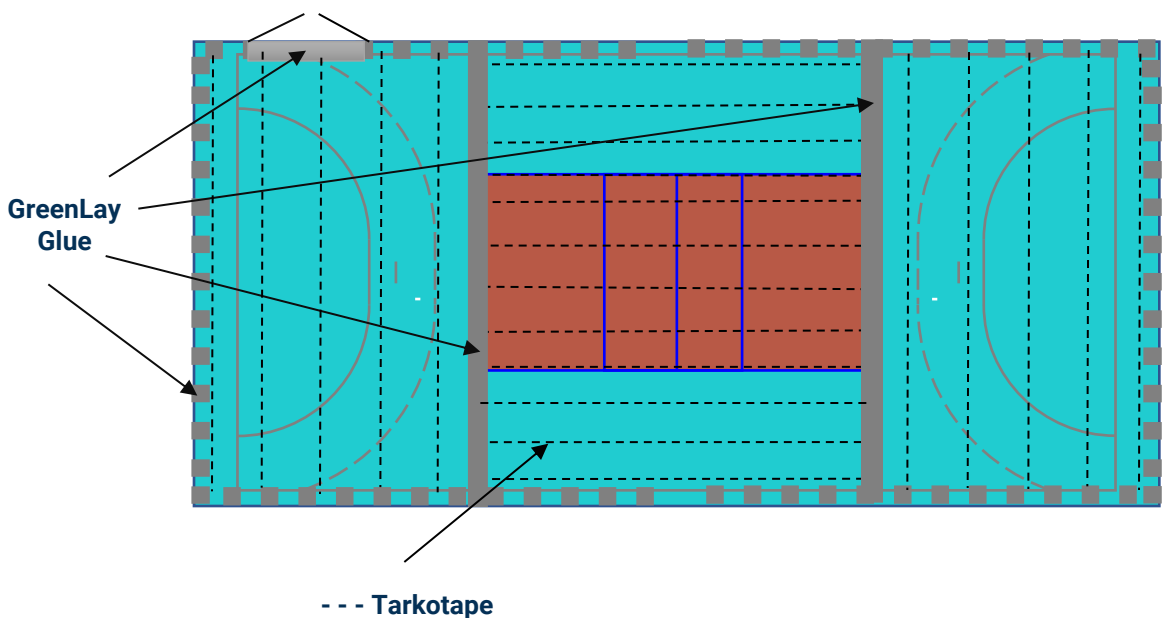
2 – GREENLAY INSTALLATION

If you install two or three coloured projects, you will have to glue the seams under the different colours with GreenLay Glue.



NOTA : If there are telescopic bleachers on Omnisports, Tarkett Sports recommends to glue the floorcovering in the dedicated area (Cf. Glued installation). Please check appropriate reinforcement solutions in our Maintenance guide.

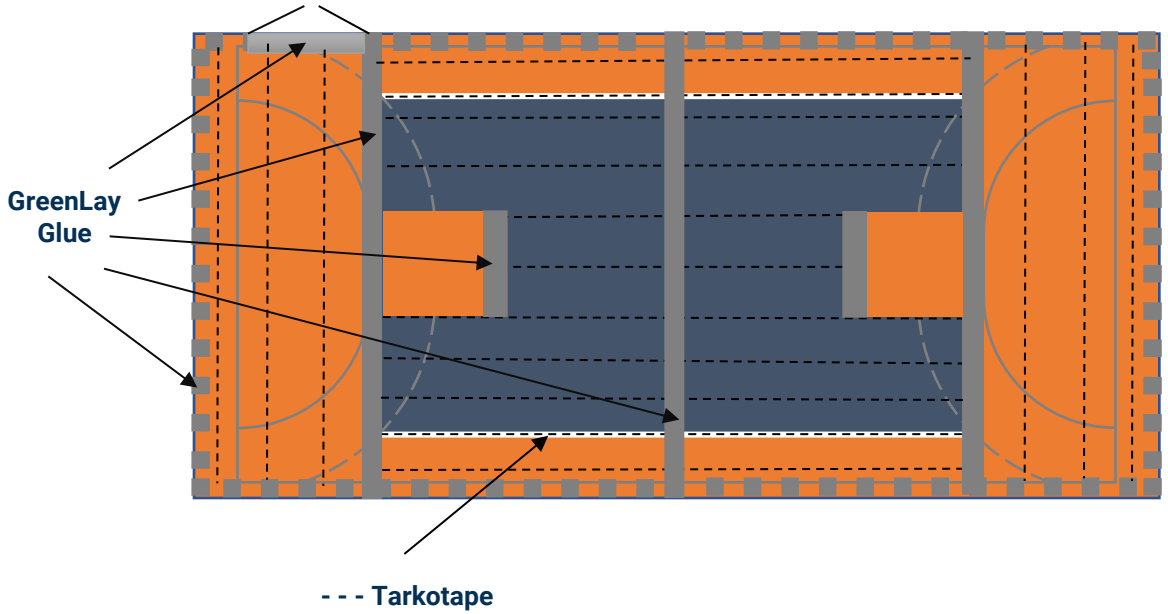
Volley-ball court



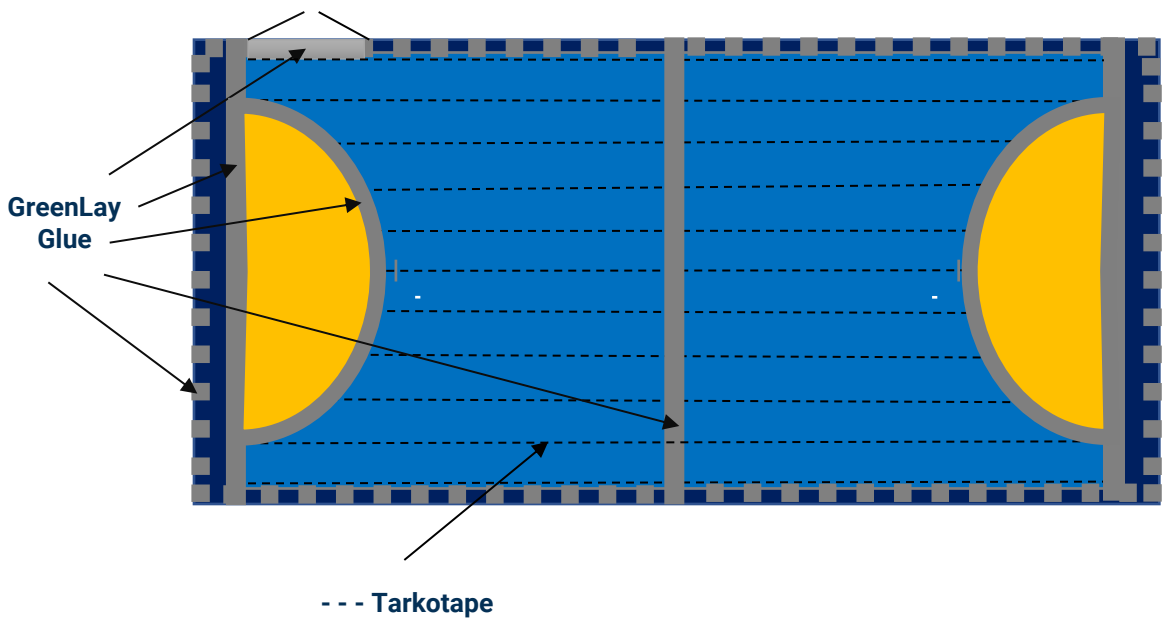
INSTALLATION

2 – GREENLAY INSTALLATION

Basket-ball court



Hanball court



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3 – GLUED INSTALLATION

! *After installation, ensure that the temperature is always maintained between 10 and 45°C.*

Roll half way back the sheets carefully on the first half of the gymnasium and start from the longitudinal axis to avoid moving the sheets from their original positions.

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

Only glue the adequate surface of floor covering, considering the drying time in order to make the glue transfer effective to floor covering back (maximum two or three sheets at the same time).

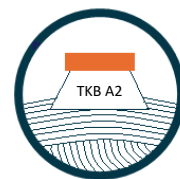
For a normal absorbent sub-floor, glue consumption is about 250-300gr/sqm with a thin toothed spatula TKB A2.

Lay Omnisports rolls on the sub-floor and make sure that setting time specified by the glue manufacturer is respected. Start by the first one along the longitudinal axis.

Press all the surface glued with cork to eliminate the air bubbles located between the sub-floor and Omnisports then use a 50kg heavy roller, this will enable the glue to transfer perfectly on Omnisports.

Repeat the same operations for the second half Omnisports sheets and the second half of the gymnasium.

Don't leave any heavy load on Omnisports during the whole glue drying time (72h).



Recommended adhesives, please follow the manufacturers' recommendations.

Bostik	Mapei	Cégécol	Thomsit	Uzin	H.B.Fuller
STIX A800 STIX A300	Ultrabond Eco V4SP	Cégé100 HQT	K188 K188E	KE 2000 S	TEC 640



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4 – INSTALLATION OVER TARKOLAY



After installation, ensure that the temperature is always maintained between 10 and 45°C.

Tarkolay installation:

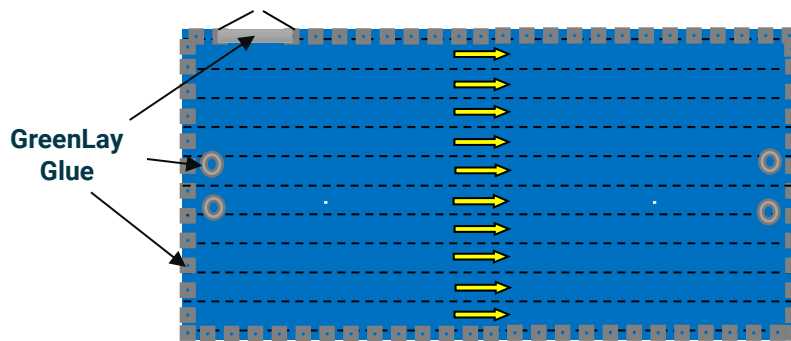
Unroll Tarkolay in the same direction as the Omnisports, with studs on subfloor side, and align the strips edge to edge. Allow a 50 cm offset between the edges of the Tarkolay and the edges of the Omnisports surface.

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 5mm ventilation gap all around the periphery of the gymnasium.

The gluing areas with bi-component GreenLay Glue (5kg kit Reference 210998002) and with a thin toothed spatula TKB A2 (300 to 350gr per sqm) should be handled as follows :

- External edges (at periphery of the gymnasium), 100cm² every meter,
- All around trap doors edges, 20cm width,
- In front of all the doors, 20cm width.



Omnisports installation over Tarkolay :

Mark out transversal and longitudinal axis on Tarkolay.

Position Tarkolay selvages 50cm from Omnisports ones.

Unroll Omnisports along the longitudinal axis, following rolls manufacture chronological order, leaving a space of 1 cm between them for at least 24 hours and if necessary, re-cut the selvage.

Let Omnisports rolls rest before adjusting the sheets, edge-to-edge, space < 1mm.

Roll half way back the sheets carefully on the first half of the gymnasium and start from the longitudinal axis to avoid moving the sheets from their original positions.

Define the surface to be glued, then apply the acrylic glue using a TKB standard A4 spatula at a rate of 200 g/m². **Wait for the glue film to be completely dry to prevent bubbles forming between Omnisports and Tarkolay.** Start to lay down Omnisports rolls by the first one along the longitudinal axis and press out air towards the edges using a cork, then a 50 kg roller. Repeat for subsequent rolls. Repeat these operations on the second half of the rolls and the gym.

Importante notice : In sports halls where temperatures can reach 35°C, Tarkett Sports recommends gluing Omnisports flooring to Tarkolay underlay with a two-component reactive adhesive such as GreenLay Glue (12kg kit Reference 210998001) then apply the glue using a TKB standard A5 spatula at a rate of 300 g/m².

Recommended adhesives, please follow the manufacturers' recommendations.

Bostik	H.B.Fuller	Mapei	Uzin
STIX A300	TEC 640	Ultrabond Eco V4SP	KE 2000 S

INSTALLATION

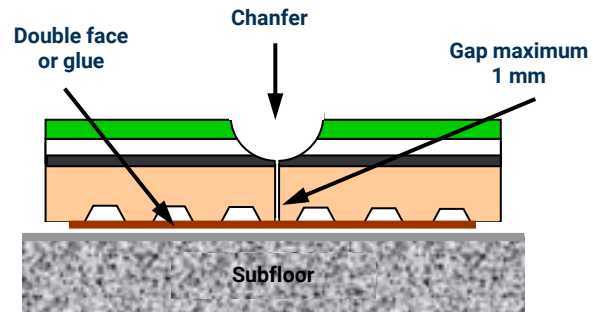
5 – HOT WELDING



24 hours after gluing, immediately on Tarkotape

The grooving :

This operation should be performed by using an electric tool with a “U” shaped blade as described, for any 5mm diameter welding rod the width of mill must be 4.3mm and maximum depth 2mm.



The welding :

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

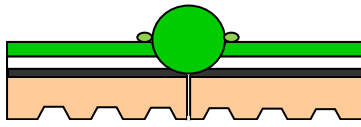
For best results, set the temperature to 450°C and the speed to around 2m/min.

Before welding the Omnisports, you should first try welding on a separate part, to check that the temperature and speed of this Leister machine will produce a very strong, aesthetically welding.

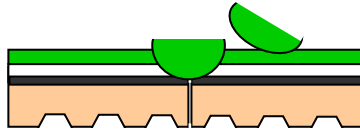


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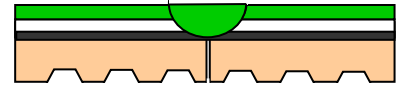
The trimming :



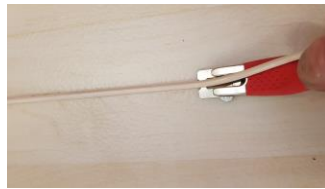
The presence of a small bump indicates the perfect level of fusion of the welding rod.



First trim with a Mozart knife and wedge before cooling.



Second trim with a Mozart knife after cooling.



6 – PAINTING GAME LINES

Permanent marking :

A two-component polyurethane paint is used to draw game lines.

A protective tape is used during the painting to fix the shape.

The floor must be cleaned.

The paint is applied with roller or paint brush.

Two coats should be applied for quality marking; avoiding applying a damp coat on top of a damp coat (the first coat should be dry by touch). Similarly, the covering power of a game line is obtained by applying two coats. Too much paint can cause micro cracking on the surface.

Paints recommended by Tarkett Sports :

- Blanchon Thixo Tracé – Blanchon SA – Tel: +33 4 72 89 06 00
www.blanchon.com

- Kipp 2K PUR Indoor pour les lignes de jeux et Kipp 2K PUR Surface Paint pour les surfaces
www.kipp-markierungen.de

- Bona SuperSport Line Paint – Bona – Tel: +4640385500 - E-mail: bona@bona.com
www.bona.com

- Conipur 3100 – BASF AG– Tél. +41 58 958 22 44 –www.conica.com

Follow the manufacturer's installation recommendations

