

STATEMENT

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The preparation/dryness of the subfloor and installation procedures should all be as BS 8203: 2001. i.e.: the relative humidity of a solid subfloor should be below 75%rh when tested with a hygrometer as described in this British Standard.

Prior to selecting a smoothing compound, it will be necessary to investigate what type of traffic the floorcovering once installed will be subjected to. Latex smoothing compounds are not suitable for areas that will receive heavy traffic, especially heavy-wheeled traffic with narrow wheels. Never subject a newly installed floorcovering to heavy wheeled traffic at an early stage, as this will disperse trowel applied adhesive from below the floorcovering which may result in future problems. . Wheels should be + 30mm and preferably made of neoprene. If it is necessary to traffic the floorcovering at an early stage, protect the installation with hardboard or plywood.

For specific subfloor types and preparation, please refer to our Specifications Subfloor Types.

Recent studies have shown that micro-organisms can colonise, under certain conditions, the area between the subfloor (wooden or cement) and the installed flooring. These micro-organisms can thrive in warm, damp conditions where there is sufficient 'food' available – for example, certain types of levelling compound used prior to the flooring installation. During their normal life-cycle, these micro-organisms produce a colorant, usually pink, purple, red or black (but can be other colours), which can 'bleed' through to the surface of the PVC flooring product over a period of several months or longer.

Advice should always be sought from the manufacturers of subfloor preparations and adhesives prior to installation, to ensure that their products are suitable for the environment in which the PVC flooring is to be laid – this advice may include using products that contain biocides or of specific resin types.

For wooden fabricated underlay e.g. plywood, care must be taken to store the material in an area where it will not become damp or contaminated.

The 'bleed' through of colorant created by micro-biological activity below PVC floorcovering products is not attributable to a product/manufacturing fault.

Although Tarkett may on occasion list a choice of adhesive, levelling compound and surface damp proof membrane manufacturers and types, we do not however guarantee the products listed (except for Tarkett wood adhesives) or suggest that the list of products or manufacturers, are complete or current. Tarkett would not accept any liability (except for Tarkett wood adhesives) for any of these products failing to perform in conjunction with any of their products. It is the responsibility of the adhesive, levelling compound and surface damp proof membrane manufacturer and flooring contractor to ensure the products being used are appropriate for use and applied in accordance with the manufacturers recommendations.

It is imperative that underfloor heating systems have been previously commissioned and found to be functioning correctly prior to the floor finish being installed. Ensure that the underfloor heating system is switched off 48 hours prior to the floorcovering installation commencing and remains off for at least 48 hours after the installation is complete. During the period of decommissioning of the underfloor heating system, an alternative heating source should be provided, if required, to ensure that the area of installation is kept at a constant temperature of 18°C - 27°C. Gradually increase the temperature over a number of days by only a few degrees per day until the desired room temperature is reached. The temperature should never exceed the floorcovering industry agreed maximum of 27°C at the underside of the floorcovering (the adhesive line). Failure to follow these guidelines can result in the floorcovering de-bonding, joints opening, and on some occasions discolouring, all which can occur within a long or short period of time.

CONDITIONING

It is important that the materials (rolls) are carefully stored on a dry, flat surface within a heated building. 24 hours prior to use, the material should be cut to the desired lengths and acclimatised within the area to be installed by laying flat on a prepared, clean subfloor at a temperature of 18° - 27°C. This temperature should be maintained throughout the duration of the installation. The minimum temperature of the subfloor should be 15°C. Care should be taken when handling all types of floorcoverings to ensure that safety procedures are followed and damage does not occur to the material.

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METHOD 1 **FULLY ADHERED**

INSTALLATION PROCEDURES

1. Prepare the subfloor as necessary and remove all traces of debris.
2. Ensure that material with the same batch number is allocated to each area to be installed. Consecutive roll numbers should also be used.
3. Plan the sheet direction of the area to be installed to ensure whenever possible that joins do not coincide with doorways or main traffic lanes.
4. Cut the lengths of the material 10cm longer than the size of the measured length of the room.
5. Scribe the first sheet down the length of the room with the two ends lapped up the wall. Cut down the scribe mark using utility knives with straight and hook blades removing the scrap material and place into position.
6. Place the sheet tightly against the wall, draw a pencil line down the edge of the Omnisports on the subfloor lengthways opposite the scribed wall.
7. When in position draw a pencil line at 90 degrees to the edge of the sheet from the Omnisports onto the subfloor using a ruler. This cross mark should be approximately 20cm away from one of the ends still lapped up the wall.
8. Slide back the sheet along the first pencil line until the end of the sheet lies flat on the subfloor and slightly short of the wall. The two cross lines will now have moved apart.
9. Set the long scribes at the distance between the two lines and scribe this size from the wall onto the Omnisports at the same time keeping the scribes parallel with the sheet edge. With the scribe adjusted to this setting, the end of the sheet is now *scribed and cut and the surplus removed. *It may be beneficial to cut and remove this surplus material once it has been adhered, due to any tension that may be released after re-rolling of the material.
10. Slide the Omnisports back into its previous position with the material now fitted to the long wall and end wall. Repeat this last procedure at the end still lapped up the opposite wall.
11. **For wood designs, install all sheets in the same direction, for plain colours consecutive sheets should be installed in the opposite direction to the previous sheet installed. (Reverse sheets)** i.e.: 1st sheet facing north, 2nd sheet facing south, etc. Print or arrows on the reverse of the material can identify the direction of the sheets.
12. It should be possible to butt each edge of the Omnisports against the corresponding edge of the adjoining sheet without the need to overlap and re-cut. **However, it is the responsibility of the installer to ensure that the joints are fitted together to achieve a close butt joint.** If any doubt exists, the sheets should be overlapped and re-cut.
13. Adjust the scribes to scribe a small amount off this end of the sheet and cut to size. Slide this end of the sheet into position against the wall just fitted to. Now repeat the procedure adopted for fitting the previous sheet where the Omnisports was still lapped up the remaining wall.
14. This entire procedure should be copied for all consecutive sheets apart from the last sheet, which should be installed in the same manner as the first.
15. Only install the amount of floorcovering that can be adhered to a subfloor in one day.
16. Carefully *pull the sheets of Omnisports halfway back across the size of the room, one sheet at time, until all the sheets are pulled back to expose the subfloor. *Depending on the length of roll, it may be more appropriate to carefully roll the material back across the room.

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17. Re-sweep the back of the Omnisports and the subfloor to ensure that no debris is present that may visually impair the installation and cause premature wear.
18. Apply Tarkett Embond 170 pressure sensitive acrylic adhesive from Tarkett.
19. The adhesive should be applied using an appropriate 'V' notched trowel and should be trowel applied and then flattened with a lambs wool roller in the case of pressure sensitive adhesive (**please seek adhesive manufacturers advice**). It is important that the notches on this trowel remain the correct size throughout the duration of the installation. Place the Omnisports into the adhesive whilst wet (**pressure sensitive – seek manufacturers advice**) and roll with a 68Kg roller in both directions. Do not roll the last 25cm section of the Omnisports, as this will ensure that the second half of the sheet is easily pulled back to expose the edge of adhesive.
20. Repeat procedure for second half of the sheets as soon as the first half has been adhered.
21. Repeat rolling at 15-minute intervals until fully bonded to the subfloor, paying close attention to the seams, cross-joints, ends of the sheets and any inaccessible areas. Wipe any excess of adhesive away with a cloth moistened with water or if dry nothing stronger than white spirit.
22. After a lapse of at least 24 hours, hot weld the Omnisports using Omnisports weld rod (5mm) at a temperature of between 400 - 450°C when fitted with a Tarkett 1258012 speed-weld nozzle.

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METHOD 2

GREEN LAY (MOISTURE CONTENT UP TO APPROX. 90% RH**)**

INSTALLATION PROCEDURES

Follow Method 1 Fully Adhered procedures from 1 – 17.

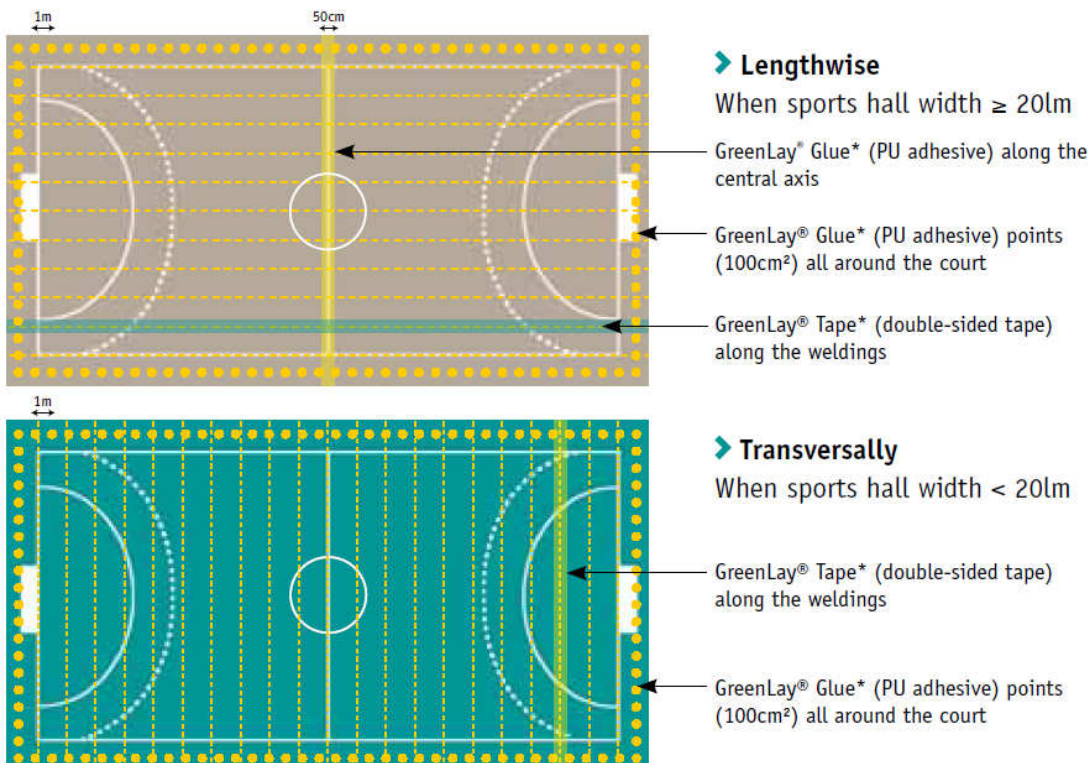
For any installation area that is bigger than 1200 sqm; please contact us; the way of laying and gluing could be slightly different.

Sheets are attached on the sub-floor using vinyl compatible double sided adhesive tape. 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 hot air gun from getting under the floor covering. The double sided tape has 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: 100cm² 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 traces of contaminants.....

As generally known, 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:



Apply a suitable recommend dual-component adhesive e.g. those supplied by Uzin Ltd – quantity to be applied, with a thin set of teeth spatula, between 300 and 350 g per m². For a good installation you must carefully follow the manufacturer recommendations and 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.

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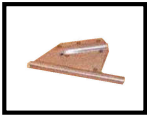
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WELDING OMNISPORTS

1. Allow at least 24 hours to lapse prior to hot welding with the Omnisports welding cable.
2. Groove seams to a depth of 2.5mm x 4.3mm wide, using an electric grooving machine fitted with a round cutting blade or "P" type grooving tool or an automatic seam router. **Do not exceed this depth.**
3. Make sure the groove is clear of all debris and excess adhesive prior to commencing welding.
4. The recommended welding temperature is 400-450°C when fitted with a Tarkett speed-weld nozzle 1258012.



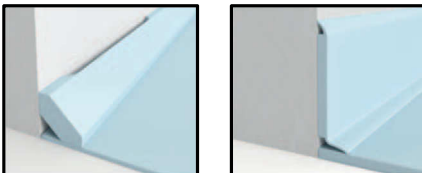
5. Using a Leister hot air welding gun fitted with the above speed-weld nozzle, this will require the temperature setting to be number 6 – 7. If unsure consult manufacturer's instructions for correct setting. Set the welding gun at this temperature for several minutes prior to commencing welding to attain the correct temperature.
6. **Try out the welding operation on a scrap piece of Omnisports prior to welding the main area to ensure the temperature is correct and does not damage the vinyl.**
7. Weld at approximately 2 metres a minute.
8. Preferably 2 people welding. One operative welding at least 3 metres ahead of the other prior to the second person trimming the cable 1mm proud of the Omnisports with the aid of a sharp spatula knife inserted into a welding slide while the weld rod is semi cooled. The weld should then be allowed to cool down fully before finally trimming the weld cable flush with the surface of the Omnisports with the spatula knife only. **It is vital that the spatula knife is extremely sharp at all times.**

VARIOUS TYPES OF SKIRTING

Sit-on coving

This type of coving should not be used when watertight joints are required. It is normally used as an alternative to a wooden skirting in areas that will not be subjected to large amounts of surface applied water.

Sit-on PVC coving is available in lengths of 2.57 m and is normally 6 cm in height and protrudes 1.0–1.5cm out at the toe. Install the floorcovering in the normal manner, scribing to a wall instead of a skirting and adhere to the subfloor. Fix the coving to a prepared wall with a contact adhesive. Prior to adhering the sit-on coving to the wall, the scribed edge of the floorcovering to the wall can be sealed with a sealant. This will provide extra protection to the floorcovering from surface moisture attack, but should not be used as a cheaper alternative to a pre-formed coving or self-coving when a watertight joint is required. Wooden ventilated skirting is also available (specific details can be supplied on request).



GREENLAY ACCESSORIES

GREENLAY® INSTALLATION KIT

Specifically adapted to ensure the durability of GreenLay® installation.



GreenLay® glue: Used to form a cove where floor coverings are contined up the wall.
2 components (A+B), 1 pot of 5kg each

Component	Article Code
A	1551057
B	1551058

GreenLay® tape: Used to form a cove where floor coverings are contined up the wall.
Usually used 1 box of 6 rolls (1roll: 100mm x 25m)
Article code: 1551082